CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Street widening, Chicago, Ill., city voted bonds for $12,500,000 for street widening.

Office and store, Chicago, Ill., E. Jackson, et al having plans prepared, $6,063,466.

Hotel, Theater, and Arena, Newark Arena and Amusement Corp. having plans prepared, $5,000,000.

Club house, Detroit, Mich., National Town and Country Club, having plans prepared, $4,000,000.

Bridges, Chicago, Ill., city voted $2,500,000 bonds for bridges.

Street lighting system, Chicago, Ill., city voted bonds for $2,250,000 for lighting system.

Street widening, Milwaukee, Wis., Dept. Pub. Wks. making plans for widening certain streets, $2,200,000.

Office, Boston, Mass., Fort Point Trust having sketches made for building, $2,000,000.

Toll cable line, Illinois, Illinois Bell Telephone Co. plans 175 mi. toll cable line, $2,000,000.

Viaduct, Milwaukee, Wis., city voted $1,800,000 bonds for viaduct.

Medical dormitory, Boston, Mass., Harvard University, having preliminary plans prepared, $1,500,000.

Apartment, New York, N. Y., J. Axelrod & Son having plans prepared, $1,500,000.

Bids Wanted

Convention hall, May 15, Atlantic City, N. J., city comrs., $5,000,000.

Dredging, Henderson, Miss., C. L. Schmidt & Co. of Chicago soon takes bids. Complete development, $3,000,000.

Depot, Texarkana, Tex., July 1, E. A. Hadley, ch. engr., Missouri Pacific R.R., $1,700,000.

Grading and paving, Benton, La., Bossier Parish takes bids about July 11, for road work, $1,630,000.

Tunnel, Oakland, Calif., May 14, Dirs. East Bay Municipal Utility Dist., $1,500,000.

Manufacturing, Philadelphia, Pa., General Electric Co. soon lets contract, $1,500,000. Hospital, Boston, Mass., Apr. 30, Densmore, Le Clear & Robbins, archts., $1,000,000.

Contracts

Hydro-electric development, Chelan Falls, Wash., Chelan Electric Co. to Grant Smith & Co., $4,000,000.

Apartment, Chicago, Ill., Astor Building Co., to Lundoff-Bicknell Co., $2,000,000.

Warehouse, Cedar Rapids, Iowa, Quaker Oats Co. to Leonard Constr. Co., $2,000,000.

Power plant, Lewiston, Idaho, Inland Light and Power Co. to Winston Bros., $2,000,000.

Office, Pittsburgh, Pa., Pittsburgh Insurance Exchange to Boyle Robertson Co., $1,250,000.

Classified Index of Bids Wanted

Waterworks

Bids close — *See Eng. News-Record*

Apr. 24 Falmouth, Mass. ..... Apr. 15
Apr. 24 Bexley (Columbus P. O.), O. ..... Apr. 22
Apr. 26 Huntingdon, Pa. ..... Apr. 15
Apr. 26 Norwalk, Conn. ..... Apr. 8
Apr. 26 Buffalo, N. Y. ..... Apr. 22
Apr. 26 Kohler, Wis. ..... Apr. 22
Apr. 27 Bayonne, N. J. ..... Apr. 22
Apr. 27 Grand Island, Neb. ..... Apr. 22
Apr. 28 Bath, N. Y. ..... Apr. 1
Apr. 28 Boston, Mass. ..... Apr. 22
Apr. 29 Nyack, N. Y. ..... Apr. 8
Apr. 29 Buffalo, N. Y. ..... Apr. 22
Apr. 30 Hawthorne (Ind. br. Paterson), N. J. ..... Apr. 15
Apr. 30 New Market, Va. ..... Mar. 25
May 1 Lula, Miss. ..... Apr. 22
May 3 Kewanee, Ill. ..... Apr. 22
Adv. Apr. 22.
May 3 Jordan, Minn. ..... Apr. 22
May 3 Haledon (mail Paterson), N. J. ..... Apr. 22
Adv. Apr. 22.
May 11 Perry, N. Y. ..... Apr. 15
May 14 Oakland, Calif. ..... Apr. 22
May 18 Hagerstown, Md. ..... Apr. 22
Adv. Apr. 22.
May 21 Oakland, Calif. ..... Apr. 22
Adv. Apr. 22.

Sewers

Apr. 23 Oil City, Pa. ..... Apr. 15
Apr. 24 Bexley (Columbus P. O.), O. ..... Apr. 22
Apr. 26 Kohler, Wis. ..... Apr. 22
Apr. 26 Chicago, Ill. ..... Apr. 22
Apr. 27 New York, N. Y. ..... Apr. 22
Apr. 27 Washington, D. C. ..... Apr. 22
Apr. 28 Brooklyn, N. Y. ..... Apr. 22
Apr. 28 Boston, Mass. ..... Apr. 22
Apr. 29 Boston, Mass. ..... Apr. 22
Apr. 29 Dayton, O. ..... Apr. 22
Apr. 29 North Chattanooga (br. Chattanooga), Tenn. ..... Apr. 1
Apr. 30 Oelwein, Ia. ..... Apr. 22
Apr. 30 Boston, Mass. ..... Apr. 22
Apr. 30 Wauwatosa, Wis. ..... Apr. 22
May 3 Wanamingo, Minn. ..... Apr. 22
May 3 South Portland, Me. ..... Apr. 8
May 3 Kingston, Pa. ..... Apr. 15
May 3 Jordan, Minn. ..... Apr. 22
May 4 Mill Valley, Calif. ..... Apr. 22
May 5 Miami Beach, Fla. ..... Apr. 22
Adv. Apr. 22.
May 5 Arroyo Grande, Calif. ..... Apr. 22
May 6 Bloomington, Ill. ..... Apr. 8
May 7 North Plainfield (mail Plainfield), N. J. ..... Apr. 22
Adv. Apr. 22.
May 13 Oklahoma City, Okla. ..... Apr. 22
Adv. Apr. 22.

Bridges

Bids close — *See Eng. News-Record*

Apr. 27 South Dakota ..... Apr. 15
Apr. 27 Vinton, Ia. ..... Apr. 22
Apr. 27 Bridgewater, Mass. ..... Apr. 22
Apr. 28 Rhode Island ..... Apr. 15
Adv. Apr. 15 and 22.
Apr. 29 Louisiana ..... Apr. 8
Apr. 29 Toledo, Ia. ..... Apr. 22
Apr. 30 Olathe, Kan. ..... Apr. 8
Apr. 30 Duluth, Minn. ..... Mar. 25
May 1 Val Morin, Que. ..... Apr. 8
May 3 Morgantown, W. Va. ..... Apr. 8
May 3 Los Angeles, Calif. ..... Apr. 22
May 3 California ..... Apr. 22
May 4 Maine ..... Apr. 8
May 5 Miami Beach, Fla. ..... Apr. 22
May 5 Anamosa, Iowa ..... Apr. 22
May 7 Dayton, O. ..... Apr. 15
May 10 Jacksonville, Fla. ..... Apr. 15
Adv. Apr. 15 and 22.
May 11 Louisiana ..... Apr. 15
May 11 Bourg, La. ..... Apr. 22
May 15 Paducah, Ky. ..... Apr. 22
Adv. Apr. 22.
May 15 Anderson, Ind. ..... Apr. 8
May 19 Minneapolis, Minn. ..... Apr. 8

Dams

Apr. 29 Norwich, Conn. ..... Apr. 15

Excavation, Drainage, Irrigation, Levees, River and Harbor

Apr. 23 Albany, N. Y. ..... Apr. 8
Apr. 27 New York ..... Apr. 1
Adv. Apr. 1 to 22.
Apr. 27 Port Arthur, Ont. ..... Apr. 22
Apr. 29 Appleton, Wis. ..... Apr. 22
Apr. 29 Fire Island (mail Babylon), N. Y. ..... Apr. 15
Adv. Apr. 15 and 22.
May 1 Grass Valley, Calif. ..... Apr. 22
May 3 Lancaster, N. Y. ..... Apr. 22
May 8 Sycamore, Ill. ..... Apr. 22
May 24 Buffalo, N. Y. ..... Apr. 22
Adv. Apr. 22.

Streets and Roads

Apr. 23 Cincinnati, O. ..... Apr. 22
Apr. 24 Lewisville, O. ..... Apr. 15
Apr. 26 Indianapolis, Ind. ..... Apr. 8
Apr. 26 Lawrenceville, Ill. ..... Apr. 15
Apr. 26 Altoona, Pa. ..... Apr. 22
Apr. 26 Nebraska ..... Apr. 22
Apr. 26 Brookline (bn Boston), Mass. ..... Apr. 22
Apr. 26 Clearfield, Pa. ..... Apr. 22
Apr. 26 Stanberry, Mo. ..... Apr. 22
Apr. 26 Flint, Mich. ..... Apr. 22
Apr. 27 South Dakota ..... Apr. 22
Apr. 27 Wisconsin ..... Apr. 22

Bids close — *See Eng. News-Record*

Apr. 27 Wayne, Mich. ..... Apr. 22
Apr. 27 Ottawa, Ont. ..... Apr. 22
Apr. 27 Vinton, Ia. ..... Apr. 22
Apr. 27 Gardner, Mass. ..... Apr. 22
Adv. Apr. 22.
Apr. 27 Wellsburg, Miss. ..... Apr. 22
Apr. 27 Hattiesburg, Miss. ..... Apr. 22
Apr. 27 Hopewell, N. J. ..... Apr. 22
Apr. 27 Shelby, Miss. ..... Apr. 15
Apr. 27 Newton, N. J. ..... Apr. 8
Apr. 27 Hondo, Tex. ..... Apr. 8
Apr. 27 Galveston, Tex. ..... Apr. 15
Apr. 27 Louisiana ..... Apr. 8
Apr. 27 South Dakota ..... Apr. 15
Apr. 27 Hondo, Tex. ..... Apr. 15
Apr. 27 North Dakota ..... Apr. 15
Apr. 27 Maryland ..... Apr. 15
Adv. Apr. 15 and 22.
Apr. 27 Washington ..... Apr. 15
Apr. 27 Duluth, Minn. ..... Apr. 15
Apr. 27 St. Paul, Minn. ..... Apr. 22
Apr. 27 Phila., Pa. ..... Apr. 22
Apr. 27 Massachusetts ..... Apr. 22
Apr. 27 New York, N. Y. ..... Apr. 22
Apr. 27 Louisiana ..... Apr. 22
Apr. 27 Cedar Rapids, Ia. ..... Apr. 22
Apr. 27 Garner, Ia. ..... Apr. 22
Apr. 28 Red Oak, Ia. ..... Apr. 22
Apr. 28 Evansville, Ind. ..... Apr. 22
Apr. 28 Chicago, Ill. ..... Apr. 22
Apr. 28 Brooklyn, N. Y. ..... Apr. 22
Apr. 28 North Dakota ..... Apr. 15
Apr. 28 Delaware ..... Apr. 15
Apr. 28 Florida ..... Apr. 8
Apr. 28 Baltimore, Md. ..... Apr. 22
Apr. 28 Red Oak, Ia. ..... Apr. 22
Apr. 28 Peoria, Ill. ..... Apr. 22
Apr. 28 Wisconsin ..... Apr. 22
Apr. 28 Cleveland, O. ..... Apr. 22
Apr. 28 Uvalde, Tex. ..... Apr. 8
Apr. 28 Dickinson, N. D. ..... Apr. 8
Apr. 28 Mobile, Ala. ..... Apr. 1
Apr. 28 Shelby, Miss. ..... Apr. 15
Apr. 29 Lyons, Kan. ..... Apr. 15
Apr. 29 North Dakota ..... Apr. 15
Apr. 29 Texas ..... Apr. 15
Apr. 29 Lyons, Kan. ..... Apr. 22
Apr. 29 Toledo, Ia. ..... Apr. 22
Apr. 29 Nebraska ..... Apr. 22
Apr. 29 New York, N. Y. ..... Apr. 22
Apr. 29 Arkansas ..... Apr. 22
Apr. 29 South Boston (sta. Boston), Mass. ..... Apr. 22
Apr. 29 Texas ..... Apr. 22
Apr. 30 Roxbury (Boston P. O.), Mass. ..... Apr. 22
Apr. 30 Wauwatosa, Wis. ..... Apr. 22
Apr. 30 Seattle, Wash. ..... Apr. 22
Apr. 30 Nebraska ..... Apr. 22
Apr. 30 Ontario ..... Apr. 22
Apr. 30 Manhattan, Kan. ..... Apr. 15
Apr. 30 Missouri ..... Apr. 15
Apr. 30 North Dakota ..... Apr. 15

See proposal advertising on page 117, Advertising Section

TRADE "LEADITE" MARK
Registered U. S. Pat. Office

Caulking Means EXPENSE---
No Caulking Means PROFIT

Making LEADITE Joints on 24 inch c. i. B & S Force Main

It is needless waste of time, money and labor to caulk cast iron bell and spigot water mains.

Why not turn this expenditure into a profit?

Use Leadite which is melted and poured into the joint.

Leadite forms a water-tight bond by filling every crevice of the joint from the yarn out to face of bell of pipe, without caulking.

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Water works all over the world use Leadite because it makes a good joint which improves with age.

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LEADITE saves at least 75%

LEADITE is the pioneer self-caulking material for c. i. pipe

Be Sure It Is LEADITE
and Accept No Imitations

THE LEADITE COMPANY, Inc.
1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids close		*See Eng. News-Record*
Apr. 30	West Virginia	Apr. 1
May 1	Birmingham, Ala.	Mar. 25
May 1	Florence, Ala.	Apr. 1
May 1	Marion, O.	Apr. 15
May 1	Hayes Center, Neb.	Apr. 22
May 3	Marshall, Minn.	Apr. 22
May 3	St. Paul, Minn.	Apr. 22
May 3	Fowler, Ind.	Apr. 22
May 3	Pryor, Okla. Adv. Apr. 15 and 22.	Apr. 15
May 3	New Jersey Adv. Apr. 15 and 22.	Apr. 15
May 3	California	Apr. 22
May 3	Martinez, Calif.	Apr. 22
May 3	Marysville, Calif.	Apr. 22
May 4	Colusa, Calif.	Apr. 22
May 4	Rocky River, O.	Apr. 22
May 4	Virginia	Apr. 22
May 4	Long Beach, Miss.	Apr. 22
May 4	Phila., Miss.	Apr. 22
May 4	North Dakota	Apr. 15
May 4	North Carolina Adv. Apr. 22.	Apr. 22
May 4	Washington	Apr. 22
May 4	Port Angeles, Wash.	Apr. 22
May 4	Massachusetts	Apr. 22
May 4	Vincennes, Ind.	Apr. 22
May 4	Maryland Adv. Apr. 15 and 22.	Apr. 22
May 5	Bellingham, Wash.	Apr. 22
May 5	Florida	Apr. 22
May 5	Freehold, N. J. Adv. Apr. 22.	Apr. 22
May 5	North Dakota	Apr. 15
May 5	Belvidere, N. J.	Apr. 15
May 5	Eastman, Ga.	Apr. 22
May 5	Columbus, O.	Apr. 22
May 6	Creston, Ia.	Apr. 22
May 6	New Brunswick, N. J. Adv. Apr. 15 and 22.	Apr. 15
May 6	North Dakota	Apr. 15
May 6	Pennsylvania Adv. Apr. 15 and 22.	Apr. 15
May 7	North Dakota	Apr. 15
May 7	Pennsylvania Adv. Apr. 15 and 22.	Apr. 15
May 7	Salem, N. J. Adv. Apr. 22.	Apr. 22
May 7	Russell, Kan.	Apr. 22
May 7	Fulton, N. Y. Adv. Apr. 22.	Apr. 22
May 7	Montgomery, Pa.	Apr. 22
May 7	New York Adv. Apr. 22.	Apr. 22
May 10	New Jersey Adv. Apr. 22.	Apr. 22
May 10	Akron, O.	Apr. 22
May 10	Kentucky	Apr. 22
May 15	Anderson, Ind.	Apr. 8
May 17	Morgantown, W. Va. Adv. Apr. 22.	Apr. 22
May 17	Morgantown, W. Va.	Apr. 22
May 21	Alma, Kan.	Apr. 22
June 1	Birmingham, Ala.	Apr. 22
June 1	Birmingham, Ala.	Apr. 22

Buildings—Commercial

Bids close		*See Eng. News-Record*
Apr. 26	London, Ont.	Apr. 22
Apr. 26	Hyannis, Mass.	Apr. 22
Apr. 27	Phila., Pa.	Apr. 22
Apr. 27	Gulfport, Miss.	Apr. 15
Apr. 27	Phila., Pa.	Apr. 22
Apr. 27	Atlanta, Ga.	Apr. 22
Apr. 29	Kansas City, Mo.	Apr. 22
Apr. 29	New Hampshire	Apr. 22
Apr. 30	Trenton, N. J.	Apr. 22
Apr. 30	Albany, N. Y.	Apr. 22
Apr. 30	Kerrville, Tex.	Apr. 22
Apr. 30	Boston, Mass.	Apr. 22
Apr. 30	Easton, Pa.	Apr. 15
Apr. 30	Pittsburgh, Pa.	Apr. 15
May 1	Birmingham, Ala.	Apr. 1
May 4	Iowa City, Ia.	Apr. 1
May 4	Cambridge, Minn.	Apr. 22
May 5	Marysville, O.	Apr. 15
May 6	Thiells, N. Y.	Apr. 8
May 10	New Rochelle, N. Y. Adv. Apr. 22.	Apr. 22
May 15	Atlantic City, N. J.	Apr. 22
May 18	Columbus, O.	Apr. 15
May 20	Ohio	Apr. 15
May 25	Iowa City, Ia.	Apr. 15
July 1	Texarkana, Tex.	Apr. 22
Sept. 1	Vancouver, B. C.	Apr. 22

Buildings—Industrial

Apr. 23	Baltimore, Md.	Apr. 22
Apr. 26	Toronto, Ont.	Apr. 15
Apr. 26	Two Rivers, Wis.	Apr. 15
Apr. 27	Meriden, Conn.	Apr. 22
Apr. 27	Harrisburg, Pa.	Apr. 22
Apr. 29	Camden, N. J.	Apr. 22
May 1	Canton, O.	Apr. 15

Buildings—Educational, Religious

Apr. 23	Wellesley (br. Boston), Mass.	Apr. 22
Apr. 26	Union, N. J.	Apr. 15
Apr. 27	New York, N. Y.	Apr. 8
Apr. 27	South Boston (Boston P. O.), Mass.	Apr. 22
Apr. 27	Augusta, Me.	Apr. 22
Apr. 28	Bowling Green, O.	Apr. 1
Apr. 28	Fayetteville, Ark.	Apr. 15
Apr. 29	Harrodsburg, Ky.	Apr. 22
Apr. 30	Bellows Falls, Vt.	Apr. 22
May 4	Oakland, Calif.	Apr. 22
May 6	Peoria, Ill.	Apr. 22
May 6	Corning, N. Y.	Apr. 22
May 11	South Jacksonville (Ind. br. Jacksonville), Fla.	Apr. 22

Federal Government Work

Apr. 23	Paving—Phila., Pa.	Apr. 15
Apr. 23	Gate Buildings—Phila., Pa.	Apr. 8
Apr. 26	Road—Arizona	Apr. 15
Apr. 26	Remodeling—Fort Atkinson, Wis.	Apr. 22
Apr. 26	Generators—St. George, N. Y.	Apr. 22

Bids close		*See Eng. News-Record*
Apr. 27	Recreation, etc. — Pennsylvania	Apr. 1
Apr. 28	Catamarans—Norfolk, Va.	Apr. 1
Apr. 28	Quarters—Wash., D. C.	Apr. 1
Apr. 28	Quarters—Chelsea, Mass.	Apr. 8
Apr. 29	Excavation, etc.—Easton, Wash.	Apr. 1
Apr. 29	Additions—Astoria, Ore.	Apr. 15
Apr. 29	Concrete—Milwaukee, Wis.	Apr. 22
Apr. 30	Cranes—Wash., D. C. Adv. Apr. 1 to 22.	Apr. 1
May 3	Chain—St. George, N. Y.	Apr. 22
May 4	Power Plant—Wash., D. C. Adv. Apr. 8 to 22.	Apr. 8
May 5	Dredging—South Boston (sta. Boston), Mass.	Mar. 25
May 6	Subdrainage—Douglas, Ga. Adv. Apr. 22.	Apr. 22
May 7	Remodeling—San Francisco, Calif.	Apr. 22
May 10	Remodeling—Hamilton, O. Adv. Apr. 22.	Apr. 22
May 11	Gate Chambers, etc.—Wash., D. C. Adv. Apr. 15 and 22.	Apr. 15
May 14	Pipe Line—Wash., D. C. Adv. Apr. 15 and 22.	Apr. 15
May 18	Recreation—Augusta, Ga. Adv. Apr. 15 and 22.	Apr. 15
May 18	Generators—Wash., D. C. Adv. Apr. 22.	Apr. 22

Unclassified

Apr. 23	Scale Pit, etc.—New York, N. Y.	Apr. 15
Apr. 30	Platform Extensions—New York, N. Y.	Apr. 22
May 3	Culvert—New Rochelle, N. Y. Adv. Apr. 15 and 22.	Apr. 15
May 5	Tunnel—San Francisco, Calif.	Apr. 1
May 13	Camp—Tullahoma, Tenn.	Apr. 22
May 14	Tunnel—Oakland, Calif.	Apr. 8
May 18	Signal System—Buffalo, N. Y.	Apr. 1

Materials

Apr. 23	Lumber, etc.—New York, N. Y.	Apr. 15
Apr. 23	Wire, etc.—Cleveland, O.	Apr. 22
Apr. 26	Portland Cement—Brookline (br. Boston), Mass.	Apr. 22
Apr. 26	Sand, Crushed Stone, etc. — Milwaukee, Wis.	Apr. 22
Apr. 27	Chlorine—South Milwaukee, Wis.	Apr. 22
Apr. 27	Wood Blocks—Boston, Mass.	Apr. 22
Apr. 28	Road Oil—Green Bay, Wis.	Apr. 22
Apr. 29	Sand, Concrete, Cement — Indianapolis, Ind.	Apr. 22
Apr. 30	Road Oil—Nashville, Tenn.	Mar. 25
May 1	Mixed Concrete—Cleveland, O.	Apr. 22

News of New Work

Waterworks

Proposed Work

Mass., Arlington (br. Boston)—Plans extending mains in various streets. $59,500 appropriated. Bd. Selectmen, Town Hall, engr.

Mass., Lynn—City, Comn. Ways & Drainage, made plans 1 story, brick pumping station. $15,000. M. Knowles, 507 Westinghouse Bldg., Pittsburgh, Pa., archt.

Mass., Medford (br. Boston) — Plans waterworks. $100,000. F. R. Charnock, 50 Swan St., city engr.

N. C., Pinetops — Plans selling $75,000 bonds, new water and sewer works. G. T. Sugg, mayor.

Ga., Decatur — Voted $60,000 bonds, waterworks improvements, and $10,000 bonds, sewers in various streets. Noted Feb. 25.

Ga., Griffin—E. P. Bridges, city mgr., plans deep well, 500 ft. 12 in. c.i. mains in various streets. $50,000.

Ga., Montezuma — Voted $18,000 bonds, waterworks extensions. J. Felton, mayor. Noted Feb. 18.

Fla., Clearwater — Election Apr. 27, $235,000 bonds, extending mains in various streets.

Miss., Ellisville—Election soon to vote on bonds, waterworks, distribution and sewerage systems.

La., New Orleans—G. G. Earl, genl. supt. Sewerage & Water Bd., 522 Carondelet St., plans additions to waterworks, incl. pumping station, and new boilers, etc. $614,000.

O., Youngstown — City, M. C. Kinder, comr. Water, City Hall, soon takes bids new 25 m.g. pump to take water from river, 15,000,000 high pressure pump to pump into mains, and 9 mi. mains in various streets. $80,000-$100,000.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Mich., Melvindale (br. Dearborn)—Village, G. W. Foster, clk., made plans 14,030 ft. 8 in., and 16,500 ft. 6 in. c.i. mains, etc., in various streets. G. Jerome, 1331 Majestic Bldg., Detroit, engr.

Wis., Green Bay—W. L. Kerr, city clk., rejected bids Mar. 26, new 1,000 g.p.m. turbine centrifugal pump with 150 hp. motor for Shawano Ave. pumping station. Will soon readvertise. Noted Mar. 18.

Wis., Menomonie—City, F. W. Rowe, clk., plans 250,000 gal. water reservoir, concrete. To exceed $15,000.

Wis., Neilsville—Plans waterworks. $50,000. J. H. A. Brahtz, 601 Builders Exchange, St. Paul, Minn., engr.

Minn., St. Cloud—J. D. McKenzie, city clk., plans filtration plant. $40,000.

Kan., Effingham—Plans waterworks. $45,000. E. T. Archer & Co., 609 New England Bank Bldg., Kansas City, Mo., engrs.

Mo., Bowling Green — Voted $80,000 bonds, deep wells, 2 deep well pumps, 75,000 gal. tank on tower, storage reservoir, several miles 4- to 8-in. c.i. mains, etc. McCarthy & Elder, Marion, Ill. engrs. Noted Apr. 1.

Mo., Chaffee — Defeated $60,000 bonds, drilling artesian well, etc., C. E. Smith & Co., Ry. Exch. Bldg., St. Louis, consult. engr. F. R. Nohl, Chaffee, resident engr. Noted Mar. 11.

Mo., Mt. Pleasant—Election May 11, $21,000 bonds, improving waterworks, etc. W. B. Rollins & Co., 521 Ry. Exch. Bldg., Kansas City, engrs.

Mo., Poplar Bluff—Election soon $150,000 bonds, modern filtration plant and auxiliary equipment, also extendi water distribution system, etc. W. A. Fuller Co., 1917 Ry. Exch. Bldg., St. Louis, engrs.

Tex., Taylor—Making preliminary plans extending waterworks, additional mains, pumping equipment, etc. $35,000. Address City Comn.

Okla., Cache—Making preliminary plans new waterworks. $18,000. Engineer not selected.

Okla., Okmulgee — A. Baker, comr. Finance, rejected bids Apr. 14, new water supply, incl. dam, etc. Will readvertise. L.

See classified index on bids wanted on page 233

Now—
Strong Concrete in *3 Days*

Years of research, thousands of laboratory tests and actual construction experience prove that with proper methods you can get strong concrete in *3 days* with standard *Universal* cement—the same quality of *Universal* as regularly used.

And such concrete not only has the required strength in *3 days* but also is much better and much stronger forever after than concrete as ordinarily placed.

Detailed information on how to obtain this time-saving, strong concrete in *3 days* with standard *Universal* cement will be furnished on request to

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

Concrete for Permanence

Waterworks (Continued)

F. Harza, 919 Monadnock Bldg., Chicago, Ill., consult. engr. Noted Apr. 22.

N. M., Roswell—Voted $150,000 bonds, improving waterworks. Burns & McDonnell Eng. Co., 402 Interstate Bldg., Kansas City, Mo., engrs. Noted Mar. 25.

Idaho, Pocatello—Election about June 15, $470,000 bonds, waterworks improvements. Former election defeated. Burns & McDonnell Eng. Co., 400 Interstate Bldg. Kansas City, Mo., engrs. Noted Apr. 1.

B. C., Merritt—City, F. S. Gay, clk., plans extending civic waterworks incl. 200,000 gal. reservoir, and power plant addition. $35,000. Engineers not selected.

Bids Desired

Mass., Boston — Apr. 28, by Dept. Pub. Wks., laying and relaying mains in Elm and Codman Hill Aves., Myrtlybank and Codman Sts., Dorchester; and Cranston and Holywood Rds., West Roxbury. $15,000. J. H. Sullivan, comr.

N. Y., Buffalo—Apr. 26, by Commissioner Pub. Wks., Municipal Bldg., 250,000 gal. steel tank and high pressure tower in Grover Cleveland Park. $25,000.

N. Y., Buffalo—Apr. 29, by Commissioner Pub. Wks., Municipal Bldg., two 1,200 r.p.m. motor driven centrifugal pumps, with switch board, cables, etc. complete for Grover Cleveland High Pressure Water Tower.

N. J., Bayonne — Apr. 27, by Bd. City Comrs., City Hall, three hundred thirty-five ⅝ to 2-in. water meters with couplings, f.o.b. City Hall, Bayonne. W. P. Lee, city clk.

N. J., Haledon (mail Paterson)—May 3 (extended date) by Boro Council, Haledon Fire House, waterworks improvements. A. W. Cuddeback, 158 Ellison St., Paterson, boro engr.; adv. E. N.-R. Apr. 22.

Md., Hagerstown — May 18, by Mayor and Council, pumping station, filtration plant, reservoirs, embankment, pipe lines, paving, etc., Contr. 4. W. P. Lane, pres. Bd. Water Comrs.; adv. E. N.-R. Apr. 22.

Miss., Lula — May 1, by Bd. Water Comrs., N. Yeates, secy., new waterworks, incl. 50,000 gal. steel tank on 100 ft. tower centrifugal pump and 5 hp. motor, 7½ hp. gas or oil engine for drive belt, 10,400 ft. 3- to 6-in. mains, fifteen 2- to 6-in. gate valves, 14 standard fire hydrants, etc. Noted Dec. 10.

O., Bexley (Columbus P. O.)—Apr. 24, by S. W. Roderick, village clk., 10,000 ft. 6 in., 500 ft. 8 in. and 1,000 ft. 12 in. c.i. pipe. $25,000. Jennings-Lawrence Co., Hartman Bldg., Columbus, engrs.

Ill., Kewanee — May 3, by City Clerk, drilling artesian well, J. A. Todd, supt. Water Dept.; adv. E. N.-R. Apr. 22.

Wis., Kohler—Apr. 26, by W. Nesemann, village clk., 15,000 ft. 6 in. c.i. mains in various streets. To exceed $15,000. J. Donohue Eng. Co., 608 North 8th St., Sheboygan, engrs.

Minn., Jordan — May 3, by City, J. C. Busch, clk., 12,400 ft. 4 and 6 in. c.i. mains, etc., in various streets. $23,000. Pillsbury Eng. Co., 2344 Nicollet Ave., Minneapolis, engrs. Noted Apr. 1.

Neb., Grand Island—Apr. 27, by City, H. E. Clifford, clk., setting two 700 hp. Connelly water tube boilers, with breaching, boiler feed pumps, coal handling equipment, etc. for waterworks and power plant improvements. $65,000. Pillsbury Eng. Co., 2344 Nicollet Ave., Minneapolis, Minn., engrs.

Tex., San Antonio — See "Contracts Awarded."

Calif., Oakland — May 14, by Directors East Bay Municipal Utility Dist., 18,000 ft. Claremont Tunnel, 9 in. diam. horseshoe shape, 20,000 cu.yd. concrete lining 1,085 cu.yd. rein.-con., 8,500 lbs. structural steel, 107,000 lbs. reinforcing 27,700 bbls. Portland cement, 8,500 lb. steel 4,075 lbs. c.i. pipe, etc. $1,500,000. A. P. Davis, Ray Bldg., engr.

Oakland, Calif.—May 21, at office East Bay Municipal Utility Dist., 1924 Bway., Ray Bldg., Venturi meter and pipe connections, etc., for Walnut Creek Pumping Plant, Mokelumne River Project. J. H. Kimball, secy.; adv. E. N.-R. Apr. 22.

Bids Received

Mich., Detroit—Bd. Water Comn., 32,835 ft. 6- to 16-in. mains in various streets, Contr. 1926-7, from L. J. Clancy, 3137 Canton Ave., $24,131; 52,037 ft. 6- to 16-in., Contr. 1926-8, from J. W. Toyne, South Bend, Ind., $37,232; and 48,725 ft. 6- to 12-in., Contr. 1926-9, from Robec-Humphreys Co., 408 Securities Bldg., Omaha, Neb., $35,389. Noted Apr. 1.

Mich., Detroit—Dept. Purchases & Supplies, 2,625 ft. 48 in. lockbar of 50 in., and 1,482 ft. 42 in. lockbar of 44 in. steel pipe with blow offs, etc., to Dept. Water Supply, from J. McNeil Co., 29th St., Pittsburgh, Pa., $44,471.

Ill., Staunton—For 48,000 ft. 2- to 12-in. c.i. mains, etc. in various streets, from A. R. Montague, 4437 Morganford Rd., St. Louis, Mo., $55,132. Engrs. est. $55,800. Noted Mar. 25.

Wis., Kenosha—C. M. Osborn, city mgr., Apr. 15, 2½ m.g. rein.-con. storage reservoir, etc., at filtration plant, from O'Dea & Shafer, Genl. Del., Madison, $67,400. Noted Apr. 1.

Wis., Milwaukee—Central Bd. Purchases, J. W. Nicholson, ch. buyer, Apr. 8, from U. S. Cast Iron Pipe & Fdry. Co., 122 South Michigan Blvd., Chicago, Ill., 1,438.375 tons plain straight pipe at $46.90 per ton, 732.795 tons slugged pipe $66.90, and special castings $160 per ton. Noted Apr. 1.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, brick settings for four 460 hp. boilers, from D. Seeger, 1317 Ry. Exch. Bldg., $13,875, engrs. est. $15,000; sheet metal breeching in boiler room, from L. J. Kickham Boiler & Sheet Iron Wks., 2515 North 25th St., $3,490, engrs. est. $6,000, both for Bissells Point Station. Noted Mar. 25.

Calif., Los Angeles—City, Bureau Power & Lights, from Amer. Cast Iron Pipe Co., 417 Rives-Strong Bldg., 153 tons 24 in. Class "B". c.i. pipe at $6.31 per ton, 418 tons Class "C" $6.88, and 168 tons Class "B" $5.746.

Calif., Oakland — East Bay Municipal Utility Dist., constructing rein.-con. aqueduct between Walnut Creek and Lafayette tunnels, 19,300 cu.yd. concrete, 166,000 cu. yd. earth excav., 32,900 bbl. Portland cement, 4,060,000 lb. reinforcing, from Twohy Bros., Ray Bldg.

Contracts Awarded

Conn., Newington—Maple Hill Fire Dist., about 25,400 ft. 6- to 12-in. mains with valves, etc. in various streets, to H. Golden & Sons, Inc., Troy, N. Y., $22,000. Engrs. est. $25,000.

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains under Board Walk, Empire Blvd., Elmore Pl., Coney Island, Dumont, Neptune Aves., etc., to N. DeStefano, 378 Woodstock Ave., St. George, $17,288. Noted Apr. 15.

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains, etc. in Bway., Laurel Hill Terrace, 3rd, 7th and 10th Aves., Arden, Henshaw, Park, East 6th, Sts., etc., to Knight & DeMicco, Inc., 448 East Tremont Ave., $82,231. Noted Apr. 15.

N. J., East Paterson—Mayor and Boro Council, Gilbert Ave. School, water supply system, incl. pipe, valves, hydrants, etc., to E. B. Edgar, Schenectady, N. Y., $61,000. This corrects report in Apr. 15 issue.

N. J., Trenton—Mercer Co., 50,000 gal. water tank, steel, at workhouse, Moore's Station, to Chicago Bridge & Iron Co., 37 West Van Buren St., Chicago, Ill., $6,025; laying waterlines, to A. N. Bugbee, 219 East Hanover St., $7,334. Noted Apr. 8.

Pa., Phila.—Dept. Pub. Wks., Bureau of Water, switchboards and wiring for Belmont and Roxborough Pumping Stations, Contr. 814, to Herman-Mayer Co., Inc., 103 Walnut St., $46,852. Noted Apr. 15.

Pa., Phila.—Dept. Pub. Wks., Bureau of Water, 16 and 24 in. pipe lines in Northeast Sect., Contr. 793, to M. and J. B. McHugh, 892 North Markoe St., $228,271. Noted Apr. 8.

Pa., Phila.—Phila. Suburban Water Co., Fox Bldg., 1 story, 68 x 154 ft., rein.-con. and brick filter and pumping station, etc., to United Gas Impvt. Co., Broad and Arch Sts., Phila. Noted Feb. 18.

N. C., Monroe—Extending waterworks, incl. Ambursen dam, to W. O. Pratt, Mount Holly, $250,000.

Miss., Laurel — Constructing deep well, etc., to Layne Central Co., Chelsea St., Memphis, Tenn., $16,985. Noted Feb. 4.

O., Berea — H. D. Banks, clk. Bd. Trustees Pub. Affairs, 46,110 ft. 4 and 8 in. c.i. mains in various streets, to Kester & Rettered, Akron, $37,088. Noted Mar. 18.

Mich., Detroit — Dept. Water Supply, brick, concrete and steel interior switch house in Pumping Station 1, Detroit Water Works, to M. Bartholomaei Sons & Co., 1754 East Warren Ave., $16,690.

Mich., Melvindale (Dearborn P. O.)—For 30,530 ft. 6 and 8 in. c.i. mains, etc., in Dists. 1 to 11, to Coolsaet Bros., 12734 Michigan Ave., Detroit, $78,900.

Ill., Decatur — Bd. Local Impvts., E. E. Elder, pres., waterworks improvements, incl. increasing capacity of purification plant from 9 m.g.d. to 18 m.g.d. and converting it into a softening as well as purification plant, to File & Collins, Decatur, $143,690; 6 in. mains in Cantrell St. and Lake Side Club Addition, to J. L. Johnson, Decatur $19,218, and in South Main and adjacent streets, to W. G. Traver, Decatur, $1,518. Grand total $164,426. Noted Feb. 4 and Apr. 15.

Ill., Lombard—Several mi. 6- to 12-in. c.i. mains in Northeast subdivision, to C. J. Ryan, Elmhurst; also sanitary sewerage system, to C. M. Barker, Maywood. Engrs. est. $35,000. Noted Oct. 8.

Wis., Milwaukee — J. W. Nicholson, ch. buyer Central Bd. Purchases, two 20 in., twelve 30 in. and six 36 in. gate valves, to Chapman Valve Mfg. Co., 650 West Lake St., Chicago, Ill., $14,786, and three 42 in., three 48 in. and one 54 in., to Kennedy Valve Mfg. Co., 228 North Jefferson St., Chicago, Ill., $13,378. Noted Apr. 8.

Wis., Wauwatosa—See "Sewers."

Minn., Mankato—F. W. Bates, city clk., 1 m.g. rein.-con. reservoir, to Peterson & Quimby, Mason City, Ia., $20,687. Noted Mar. 18.

Minn., Waite Park—L. A. Cleall, village recdr., cistern and wells, pump house and machinery, tower, tank and distribution mains, to T. Jensen, Tracy, $46,825. Noted Mar. 11.

Kan., Lawrence — Waterworks improvements, incl. 1 m.g. rein.-con. reservoir, 100 x 125 ft., and 20- to 15-in. mains, etc., to Rowan & Rickard, Lawrence, $36,483. Noted Feb. 4.

Mo., Marshall — City Clerk, 200,000 gal. steel tank on 140 ft. steel tower, to Pittsburgh Des Moines Steel Co., Tuttle and South West 10th Sts., Des Moines, Ia., $16,359; and 750 g.p.m. pump, 200 ft. head, to Terry, Cowan & Smith, 1005 Davidson Bldg., Kansas City, $1,694. Noted Apr. 1.

Ark., Siloam Springs—For 10,000 ft. 4 and 6 in. c.i. mains, etc., in various streets, to Siloam Springs Plumbing Co., Siloam Springs. Noted May 7.

Tex., Crowell—Extending waterworks, to R. Irick, Plainview, $27,697.

Tex., El Paso — For 2,300,000 gal. rein.-con. reservoir, to J. E. Morgan, 316 Texas St., $46,000.

Tex., Harlingen—Concrete housing and base for 500,000 gal. water filtration plant, to W. T. Liston & Son, Harlingen, $20,000.

Tex., Hereford—Waterworks and sewer extensions in various streets, to Jordan Constr. Co., Plainview, $15,000.

Tex., La Porte—City, c/o F. W. Raynolds, mayor, 8 in. well, pumping equipment, distribution system, etc., to Southern Pump & Engine Co., 615 Washington Ave., Houston, $30,000.

Tex., San Antonio—City will lay 16 in. mains on south side radiating from Mission Pumping Plant, by day labor. $45,000. I. Ewig, city engr. Noted Dec. 24.

Sewers

Proposed Work

Mass., Arlington (br. Boston)—Plans extending sewers in various streets. $69,000 appropriated. Bd. Selectmen, Town Hall, engr.

Mass., Waltham (Ind. br. Boston)—Plans sewers in various streets. $55,000 appropriated. Private plans.

N. C., Pinetops—See "Waterworks."

Ga., Decatur—See "Waterworks."

Fla., Clearwater—Election Apr. 27, $200,000 bonds, sewage plant and collecting system.

Miss., Ellisville—See "Waterworks."

Ky., Ft. Thomas—Made plans 26,400 ft. 8- to 12-in. vitr. clay sewer in Sect. 3, and same amount in Sect. 4 of Ft. Thomas Sewerage System. $40,000 each. R. Payne, Ft. Thomas, engr.

O., Akron—W. F. Peters, dir. Pub. Serv. soon takes bids 4, 220 ft. 8- to 30-in. vitr. clay sewer in Mercer Ave. et al., $21,500; and 735 ft. 8- to 24-in. in Bellevue Ave., $4,800. J. E. Root, Municipal Bldg., engr.

Ill., Kankakee—Making preliminary plans 15½ x 16 ft. brick and rein.-con. sewer (horseshoe shaped) in Soldier Creek. $430,000. R. D. Gregg, City Hall, engr.

Ill., Savanna—See "Streets and Roads."

Mich., Royal Oak (Ind. br. Detroit)—Made plans 9,606 ft. 8 in. and 7,329 ft. 8 and 12 in. vitr. sewers in Lateral Sewers 59, 60 and 63. Hoad, Decker, Shoecraft & Drury, Ann Arbor, engrs.

Minn., Duluth—See "Streets and Roads."

Minn., St. Paul—Making plans sewers in Dayton Ave. Sewerage System 2, $65,000; and Ford Plant Dist., $30,000. G. M. Shepard, city engr.

Mo., Clayton—Lemay Ferry Dist., J. L. Harnage, atty.-secy., plans 6- to 30-in. sanitary sewer along Lemay Ferry Rd. south of St. Louis city limits to Prospect Hill. $450,000. W. Dozier, Clayton, engr.

Mo., Moberly—Voted $75,000 bonds, sewage disposal plant. Noted Feb. 18.

Mo., St. Louis—See "Unclassified."

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Sewers (Continued)

Okla., Coweta—Made preliminary plans 6 mi. sewers in all streets. $40,000. Engineer not selected.

Okla., Granite — Made preliminary plans sewerage system. Election soon to exceed $25,000 bonds for same. Engineer not selected.

Okla., Olustee — Making plans sewerage system. $35,000. Address J. P. Randall, mayor.

Calif., Hayward — Making plans 24 in. outfall sewer from here to bay. To exceed $30,000. J. B. Holly, 2910 Telegraph Ave., Oakland, engr. Noted Dec. 17.

Calif., Oakland—Made plans 5,421 lin.ft. 12- to 18-in. vitr. sewer, and 25 lin.ft. 15 in. vitr. sewer with concrete jacket, etc., in west end Chabot Rd. W. W. Harmon, city engr.

Bids Desired

Mass., Boston—Apr. 28, by Dept. Pub. Wks., sewerage works in Colorado and Orlando Sts., Dorchester; Apr. 29, in Vose St., Hyde Park; Apr. 29, in Parkman St., Boston Proper. To exceed $25,000. J. H. Sullivan, comr.

N. Y., Brooklyn—Apr. 28, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, storm and sanitary sewers in East 18th St.; sewers in Ocean and Fort Hamilton Parkways, Van Sicklen, 62nd, West 10th, East 26th, 53rd and East 45th Sts., Avenues N and K, Albany, and Schenectady Aves.

N. Y., New York—Apr. 27, by H. Bruckner, pres. Bronx Boro, 3rd and Tremont Aves., sewers, etc., in Laconia, Waring, Morris Park, Underhill and Noble Aves., East 177th St. between Bronx River and Rosedale Aves. and East 177th St. between Fetley and Rosedale Aves.

N. J., North Plainfield (mail Plainfield) —May 7, by Mayor and Boro Council, Boro Hall, sewers and ejector station, in Wilson, Clinton, Parkview Aves., etc. F. J. Hubbard, 203 Park Ave., Plainfield, engr.; adv. E. N.-R. Apr. 22.

Md., Baltimore—May 5, by Bd. Awards, at office City Register, City Hall, constructing Presstman St. Diversion Drain, Storm Water Contr. 97. B. L. Crozier, ch. engr.; adv. E. N.-R. Apr. 22.

D. C., Wash.—Apr. 27, by District Comrs., District Bldg., 17 service truck and storm water sewers in Sect. 4 South Branch Wesley Heights, Military Rd., Randolph and Owen Pls., Irving, 39th, Van Buren, 14th, Hemlock, East Brightwood and T Sts., Colorado and Minnesota Aves.

Fla., Miami Beach — May 5, by City Council, sewers in S.R.-85, 91 and 92, Contr. 24-S.R.; SR-93 and 94, Contr. 25-SR; SR-89 and 90, Contr. 23-SR; also SR-95 and 96, Contr. 26-SR. G. W. Tomlinson, city clk.; adv. E. N.-R. Apr. 22. Noted Jan. 7.

Miss., Philadelphia — See "Streets and Roads."

O., Bexley (Columbus P. O.)—Apr. 24, by S. W. Roderick, village clk., 9,000 ft. 8- to 12-in. vitr. sewers in Stanwood Rd., Broad St., Dawson and Maryland Aves. $25,000. Jennings-Lawrence Co., Hartman Bldg., Columbus, engrs.

O., Dayton — Apr. 29, by Comrs. Montgomery Co., 8,641 ft. 12- to 24-in. vitr. sewers, etc. in Overlook Heights and Ft. McKinley Sewer Dist. $45,000. P. E. Borchers, U. B. Bldg., Dayton, co. engr.

Ill., Chicago—Apr. 26, at office Bd. Local Impvts., Room 207, City Hall, tile sewers, etc., in Phillips, Yates, Clyde, Chappel, Mercer, Payton, Luella, Crandon, Komensky, South Karlow, South Kedvale and Keeler Aves., East 86th, East 87th, East 88th and West 68th Sts. J. J. Sloan, pres.

Wis., Kohler—Apr. 26, by W. Nesemann, village clk., 10,000 ft. vitr. clay sewers in various streets. To exceed $25,000. J. Donohue Eng. Co., 608 North 8th St., Sheboygan, engrs. Noted Aug. 20.

Wis., Wauwatosa—Apr. 30, by Bd. Pub. Wks., A. Brigham, secy., 4,975 ft. 15- to 48-in. concrete sewers in 6 streets. To exceed $25,000. J. E. Lowther, City Hall, engr.

Ia., Oelwein—Apr. 30, by City, trickling filter and other additions to sewage treatment plant. Former bids rejected. C. D. Shippy, city clk. Noted Mar. 4.

Minn., Jordan — May 3, by City, J. C. Busch, clk., sewage disposal plant, 9,000 ft. 8 in. and 2,550 ft. 10 in. sewer, etc., in various streets. $25,000. Pillsbury Eng. Co., 2344 Nicollet Ave., Minneapolis, engrs.

Minn., Wanamingo—May 3, by H. Loken, village clk., 6,500 ft. 8 and 10 in. sewers in Sewer Dist. 1. $25,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, Ia., engrs.

Tex., Galveston — C. A. Holt, Jr., engr., Galveston, taking bids and open same about Apr. 28, rein.-con. storm drain in 24th St. from Ave. J. to Ship Channel, for City. $70,000.

Okla., Oklahoma City — May 13, by M. Peshek, Jr., city clk., sanitary main sewer extension, and disposal plant; adv. E. N.-R. Apr. 22.

Calif., Arroyo Grande — May 5, by City Trustees, 20,000 ft. 6- and 8-in. vitr. sewers and 6,000 ft. 4 in. vitr. house connections, etc. in various streets. Burch & Beck, Commercial Bank Bldg., San Luis Obispo, engrs. Noted Apr. 8.

Calif., Mill Valley — May 4, by Town Trustees, sewers in Blithdale, Lovell, Throckmorton Aves., etc., 8,571 ft. 4- to 18-in. vitr. pipe, 2,069 ft. 12- to 24-in. vitr. pipe on cribbing, etc. J. C. Oglesby, Cheda Blk., San Rafael, engr. Mar. 15.

Calif., Victorville — Victorville Sanitary Dist. taking bids 14,734 ft. 8- to 14-in. lateral sewers in various streets. W. A. Foster, Victorville, engr. Noted Feb. 25.

Bids Received

N. Y., Brooklyn — J. A. Guider, pres. Brooklyn Boro, Boro Hall, from J. F. Cogan, Grand Central Terminal, relief sewer in 5th Ave., $615,245; from A. W. Matarazzo, Inc., 1163 61st St., sewers in East 9th St. $9,143, East 38th St. $4,238, West 4th St. $3,266, and 11th Ave. $1,700, from Mazzarro & Guerriero, 6712 11th Ave., East 8th St. $5,784, from Peconi Contg. Co., 578 18th St., 64th St. $2,141, and from R. Iovino, 678 Glenmore Ave., 20th St. $1,312. Noted Apr. 8.

N. Y., St. George—J. A. Lynch, pres. Richmond Boro, Boro Hall, sewers in New Dorp, Oakwood and vicinity at Pumping station near Oakwood Beach, from Merritt, Chapman & Scott Corp., 17 Battery Pl., New York City, $50,521. Noted Apr. 15.

N. J., Greenville (sta. Jersey City)—Bd. Comrs. Greenville Sewer Dist., Apr. 13, sewerage system, from J. Miele, East Orange, $160,000.

N. J., Oakhurst — Interlaken Boro Sewerage Dists. 1, 2, 3 and 4, Ocean Twp., Monmouth Co., Apr. 14, settling tank and sea outlet into Atlantic Ocean at Lock Arbour, here, from T. Proctor, 212 North 5th Ave., Long Branch, $36,952. Noted Apr. 8.

Md., Baltimore — Bd. Awards, Apr. 14, sludge drying beds 11 to 14 (inclusive) at Back River Sewage Treatment Works, from Adams & Marino, Old Town Natl. Bank Bldg., $129,258. Noted Apr. 8.

O., Cleveland—Bd. Comrs. Cuyahoga Co., Apr. 7, 3,800 ft. 8- to 48-in. sewer in Lander Rd., from Southern Constr. Co., 1726 Northfield Ave., Lakewood, segment $36,580, brick $37,685 and concrete $33,181. Noted Apr. 1.

O., Cleveland—For 553 ft. 7 ft. 6 in., 656 ft. 6 ft., 596 ft. 5 ft. 6 in., 288 ft. 5 ft. 3 in. and 270 ft. 5 ft. E brick sewer, 300 ft. 5 ft. 9 in., 325 ft. 4 ft. 6 in., 380 ft. 4 ft. 3 in. C brick sewer, and 380 ft. 24 in. vitr. tile sewer in West 130th St. from Puritas Ave. to Brookpark Rd., from W. B. Smith, 1350 West 89th St., Plan A. A., tunnel brick $135,487, and from Donnelly-Miller Constr. Co., 1251 East 84th St., Plan A open cut, $140,673.

Mich., Pontiac—H. A. Maurer, city clk., City Hall, Northwest Trunk Sanitary Sewer, 1,063 ft. 36 in. concrete and brick pipe, from A. Rossi, 5307 Pennsylvania Ave., Detroit, $42,311. Noted Mar. 4.

Wis., Beloit—G. E. Heebink, City Hall engr., Apr. 14, 17,120 ft. 8- to 21-in. vitr. or concrete sewers, etc., in various streets, from Cooper & Hansen, Iowa Falls, Ia., $43,245. Noted Apr. 8.

Calif., North Sacramento — For 62,700 lin.ft. 6- to 15-in. vitr. sewers, etc., in various streets; also sewage pumping plant, from United Concrete Pipe Co., Merced, $89,995. Noted Apr. 8.

Contracts Awarded

N. Y., Greenburgh — Bd. Sewer Comrs. Greenville Sewer Dist., 155 Old Army Rd., sewerage system in Greenville Sewer Dist., to J. Miele, 21 Hillcrest Terrace, East Orange, $156,314; pumping machinery, to W. N. Best Corp., $9,400. Noted Apr. 1.

Miss., Booneville — See "Streets and Roads."

Ind., Indianapolis—Sewers in Raymond St. and La Grande Ave. extending from State St. to Keystone Ave., to Columbia Constr. Co., 2108 Columbia Ave., $89,233.

Mich., Plymouth—For 24,300 ft. 8- to 12-in. vitr. sewers, etc., in various streets, to Bluhm & Dickinson Co., Plymouth, $65,690. Noted Apr. 1.

Ill., Grays Lake—City Clerk, sewers in various streets, to McGucken-Vander Heyden Co., 314 Fowler St., Milwaukee, Wis., $101,374. Noted Feb. 25 under "Waterworks."

Wis., Kenosha—C. M. Osborn, city mgr., 3.4 mi. 8- to 42-in. sewers in various streets, to M. Thomsen, 1020 Salem Ave., $52,160. Noted Apr. 15.

Wis., Wauwatosa — Bd. Pub. Wks., A. Brigham, secy., sewer and water connections in North Ave., to T. G. Holton, 345 27th Ave., Milwaukee, $37,357. Noted Apr. 15.

Minn., St. Paul—A. E. Eggert, city purch. agt., Maryland-Como Sewerage System, Contr. B, and St. Paul Ave. Sewer 2, Div. B, to Thornton Bros., 318 Endicott Bldg., $34,778 and $93,887 respectively. Noted Mar. 25.

Tex., Hereford—See "Waterworks."

Tex., St. Jo—For 6,000 ft. 8 in. and 25,000 ft. 6 in. mains in various streets, and disposal plant, to Duglas & Davenport, 2nd Ward Bldg., Wichita Falls, $42,000.

Tex., Wylie — Sewerage system, to P. O'Neil, 3909 Normandy St., Dallas, $30,000. Noted Nov. 26.

Colo., Denver—Dept. Impvts. & Parks, 17 mi. 8- to 24-in. vitr. sewers Barnum Special Sanitary Dist. 1, to Constr. Serv., Inc., Tramway Bldg., $159,231, also 15 mi. Dist. 2, to Dobson & Humphreys, Lincoln, Neb., $124,848. Noted Mar. 24.

Calif., Los Angeles — Los Angeles Co. Sanitation Dist. 1, rein.-con. sewer in Wright Rd., to Kelly & Sons, Hillstreet Bldg., $197,851.

Calif., Los Angeles—Sewers, etc., in Sawtelle Blvd., to N. Chutuk & M. Vukojevich, 1506 Pleasant St., $59,286; also in Hyde Park Blvd., to M. Miller, 208 West 2nd St., $58,407. Noted Apr. 8.

Calif., San Fernando—For 56,152 lin.ft. 8- to 18-in. cement sewer, etc., in Sewer Dist 1, to R. A. Wattson, 1026 North McCadden Pl., Los Angeles, $77,340. Noted Mar. 25.

Waste Disposal

Proposed Work

Fla., Clearwater—Election Apr. 27, $22,000 bonds, incinerator.

Ill., Peoria — Defeated $100,000 bonds, garbage incinerator, etc. W. E. Backes, City Hall, engr. Noted Feb. 4.

Bridges

Proposed Work

Vt., Brattleboro—State Hy. Dept., Montpelier, plans 325 ft. span concrete and steel bridge and approaches, here, to exceed $25,000. J. R. Worcester & Co., 79 Milk St., Boston, Mass., engr.

N. J., Trenton — State Hy. Comn. plans rein.-con. and steel double leaf bascule bridge, here. $400,000. Harrington, Howard & Ash, Orear-Leslie Bldg., Kansas City, Mo., engrs.

North Carolina — State Hy. Dept., Raleigh, plans rein.-con. bridges, etc., on Project 669, Cowan Co., $53,500; on Project 637, Iredell Co., $67,500; Project 624, Catawba Co., $27,000; Project 398, Robeson Co., $43,000; and Project 303, Bladen Co., $29,600. C. M. Upham, Raleigh, engr.

Fla., Clearwater—Election Apr. 27, $36,000 bonds, bridges.

Miss., Pascagoula—Jackson Co. Dist. 4, voted $10,000 bonds, its portion of cost for bridge across Biloxi Bay connecting Ocean Springs and Biloxi.

Tennessee—See "Railways."

Tenn., Pelham—State Dept. Highways & Pub. Wks., Nashville, making surveys bridge over Elk River, Grundy Co., near here. C. N. Bass, highway comr.

Tenn., Trenton—Gibson Co. election June 5, $125,000 bonds, new and reconstructing existing bridges. Engineer not selected.

Ohio — Comrs. Mahoning Co. (Youngstown) take bids early in May, 120 ft. steel and concrete bridge over Mahoning River, between Alliance and Westville. $50,000.

Ind., Evansville — Vanderburgh Co. making estimates concrete and steel bridge over Pigeon Creek, on Franklin Rd. To exceed $25,000. Noted Sept. 24.

Ill., Chicago—Voted $2,500,000 bonds for bridges, of which $600,000 to be used this year.

Wis., Milwaukee—Voted $1,800,000 bonds, approximately 4,000 ft. steel and concrete viaduct, on 16th St. M. C. Cutler, City Hall, engr. Noted Dec. 17.

Wis., Milwaukee—Voted $200,000 bonds, steel and concrete bridge, at Lincoln Ave. M. C. Cutler, City Hall, engr.

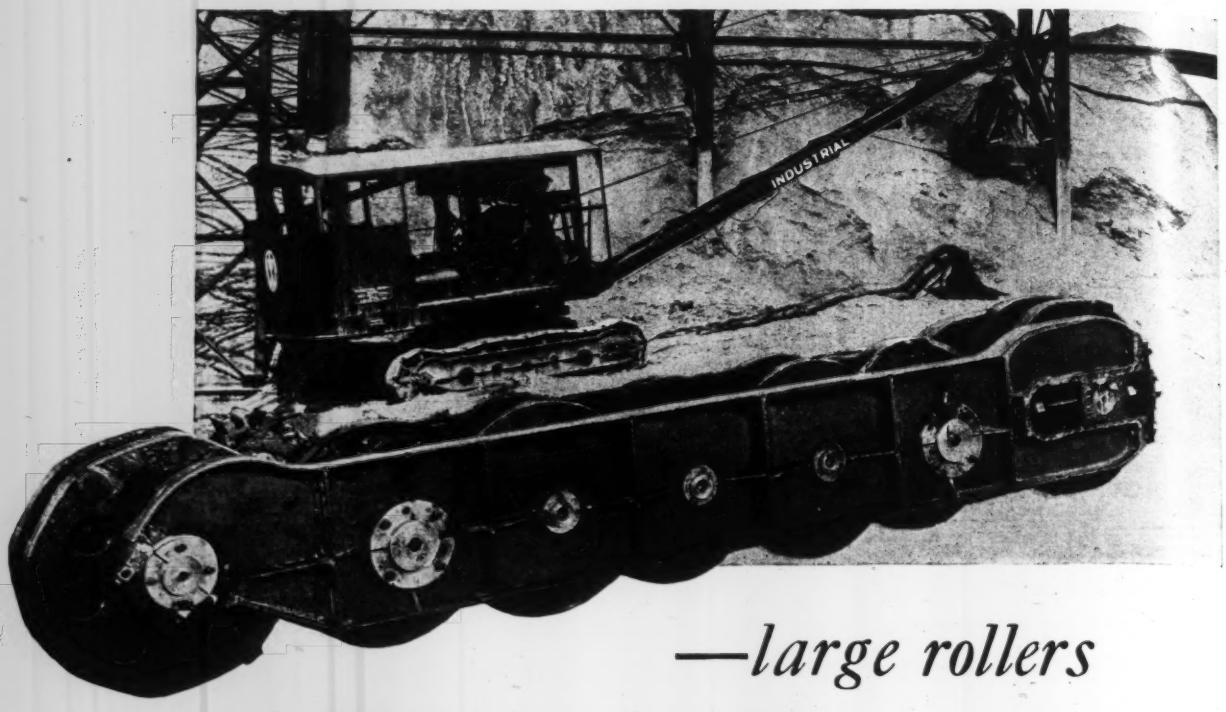
Ark., Des Arc—Des Arc Bridge Co., c/o H. Bovay, Stuttgart, making preliminary plans rein.-con. and steel bridge across White River, here. $100,000.

Tex., Albany—See "Streets and Roads."

Tex., Angleton—See "Streets and Roads."

Tex., Cuero—See "Streets and Roads."

Tex., Decatur—See "Streets and Roads."



—*large rollers*

WHAT are rollers? They are those round things between the crawler frames. Why should they be large? Here's why:

Large rollers are the most logical for the purpose because they turn more easily than small ones, with less strain on the bearings, making the machine easier to propel. What would a motor truck or a railroad car be with small diameter wheels that make the axle revolve at high speed on the bearings? Not so good.

These large rollers are of the self-cleaning type and they hold the bearings high up out of the dirt, thus adding considerably to the efficiency of the DC.

That's why there are large rollers on the INDUSTRIAL all purpose crawler—just another reason why INDUSTRIALS excel. Watch this space in every issue and see why your next outfit should be an INDUSTRIAL.

Other products: Locomotive cranes, 5 to 200 tons capacity, freight cranes, pile drivers, clamshell buckets.

Write for Book 120-A

INDUSTRIAL WORKS · BAY CITY · MICHIGAN

Bridges (Continued)

Tex., Henderson — See "Streets and Roads."

Tex., Karnes City — See "Streets and Roads."

Tex., Quanah—See "Streets and Roads."

Tex., Taylor—See "Streets and Roads."

Bids Desired

Mass., Bridgewater — Apr. 27, by Dept. Pub. Wks., Boston, 600 ft. concrete bridge and bituminous macadam approaches, here. $25,000. W. F. Williams, comr.

Fla., Miami Beach — May 5, by City Council, rein.-con. arch bridge at Alton Rd., Contr. 1B; rein.-con. arch bridge at 23rd St., Contr. 2B; also steel bridge on concrete pedestals with timber deck and approaches, on Liberty Ave., Contr. 3B, all over Collins Canal. H. Stanley, 512 Northeast 15th St., Miami, engr.

Miss., Hattiesburg — See "Streets and Roads."

La., Bourg—May 11, by State Hy. Comn., Baton Rouge, Intracoastal Canal Bridge, rein.-con. and steel, on Houma-Montegat Highway, State Project 532-A, Terrebonne Parish. W. B. Roberts, Reymond Bldg., highway engr.

La., Shreveport—City and Kansas City & Southern R.R. Co., A. N. Reece, Kansas City, ch. engr., 11th and Wyandotte Sts., Kansas City, Mo., taking bids rein.-con. and steel viaduct, on Texas Ave. $300,000.

Ky., Paducah—May 15, by Bd. Pub. Wks., City Hall, rein.-con. bridge over Island Creek, on 6th St. E. R. Bradshaw, Jr., city engr. W. Watson and associates, 4614 Prospect Ave., Cleveland, O., consult. engrs.; adv. E. N.-R. Apr. 22.

Ia., Anamosa — May 5, at office Auditor Jones Co., 175 x 20 ft. high truss bridge, concrete floors and piers with six 32 x 20 ft. I-beam approach spans. F. S. Yetter, Anamosa, co. engr.

Ia., Toledo — Apr. 29, at office Auditor Tama Co., one 70 x 20 ft. pony truss span and one 40 x 20 ft. I-beam bridges, also 25 culverts and extensions. L. W. Croft, Toledo, co. engr.

Ia., Vinton — Apr. 27, at office Auditor Benton Co., one 80 x 20 ft. pony truss bridge and 34 culverts on Federal Aid Project 251; 8 box culverts on Federal Aid Project 263; 10 culverts and extensions on Federal Aid Project 285; 28 culverts and extensions on Federal Aid Project 276; 3 box culverts on Primary Bridge Project 318. M. A. Hall, Vinton, co. engr.

Minn., Marshall — See "Streets and Roads."

Nebraska—See "Streets and Roads."

South Dakota—See "Streets and Roads."

Texas—See "Streets and Roads."

California—May 3, by State Hy. Comn. Sacramento, one 60 ft. and six 30 ft. span also three 54 ft. and four 26 ft. span rein.-con. bridges, 24 ft., and 132 ft. 6 x 6 ft. rein.-con. box culverts, etc. between San Ardo and Bradley, Monterey Co.; also timber bridge with 67 ft. skewed truss span on pile bents across Brawley Main Canal, approximately 2½ mi. south of Brawley, one with eleven 19 ft. spans across Alamo River at Holtville, and another across Lowline Canal, point 2 mi. east of Holtville, Imperial Co. R. M. Morton, highway engr.

Calif., Los Angeles—May 3, by Bd. Pub. Wks., 1,580 ft. rein.-con. bridge and approaches, 7th St. M. Butler, 242 South Bway., engr. Noted Mar. 18.

Ontario—See "Streets and Roads."

Bids Received

Ia., Maquoketa—Jackson Co., Mar. 31, 130 x 20 ft. high truss and 70 x 20 ft. pony truss bridges, from A. Olsen, Waterloo, $33,440. Noted Mar. 25.

Contracts Awarded

New Jersey—State Hy. Comn., Trenton, 12 ft. and 30 ft. bridges over branches of Raritan River, on State Highway Route 9, Hunterdon Co., to F. W. Schweirs, 90 West St., New York City, $21,473. Noted Mar. 18.

N. C., Lexington — Reeves Island Toll Bridge Co., rein.-con. toll bridge across Yadkin River to R. G. Foster & Co., North Wilkesboro.

Georgia—See "Streets and Roads."

Georgia — State Hy. Dept., East Point, bridge over Otter Creek on Fitzgerald-Abbeville Rd., Federal Aid Project 419-A, Ben Hill Co., also 3 bridges and 4 culverts on Dublin-Irwinton Rd., Federal Aid Project 35, Laurens Co., to Bembrey & Duggan, Hawkinsville, $8,484 and $34,301 respectively; 3 bridges and 1 culvert on La Grange-Chipley Rd., Federal Aid Project 324-B, Troup Co., to Nichols Contg. Co., 21 South Candler St., Atlanta, $38,443. Grand total $81,228. Noted Mar. 18.

Louisiana — State Hy. Comn., Baton Rouge, Sabine River Bridge, incl. 75 ft. pony truss span and 300 ft. steel swing span, etc., Federal Aid Project 336-B, at Orange, Tex., to Womack Constr. Co., Sherman, Tex., and Brown-Abbott Co., Inc., Wilson Bldg., Dallas, Tex., $246,642. Noted Apr. 8.

La., Hammond—See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Ind., Indianapolis — Comrs. Marion Co., Court House, 3 span 152 ft. bridge, 70 ft. on North Meridian and Canal Sts., to Natl. Concrete Co., 825 Lemcke Bldg., $57,343. Noted Mar. 25.

Ill., Chicago—City installing, etc., electrical equipment for double leaf trunnion bascule bridge over Chicago River, at West Adams St., to Norwood-Noonan & Co., 450 West Superior St., $43,586.

Iowa—State Hy. Dept., Ames, **(F. A. P. means Federal Aid Project and P. R. P. means Primary Road Project)**, one 28 x 24 ft. I-beam and one 50 x 20 ft. pony truss bridges, 39 box and circular culverts on F. A. P. 238, Montgomery Co., and one 60 x 20 ft. and one 80 x 20 ft. pony truss bridges, 29 box culverts and extensions on F. A. P. 64, Jasper Co., to B. J. Cole, Ames, $42,258 and $34,274 respectively, 2 box culverts on F. A. P. 65, Warren Co., to Iowa Bridge Co., 19th St. and Easton Blvd., Des Moines, $1,924; 16 box culverts on F. A. P. 280, Pottawattamie Co., to Wickham Bridge Co., 27 South 19th St., Council Bluffs, $11,440; one 32 x 24 ft. I-beam and one 160 x 20 ft. high truss bridges, 3 culverts and extensions on F. A. P. 98, Winneshiek Co., to A. Olson Constr. Co., Waterloo, and F. Carlson Paving Co., Elkader, $21,839 and $5,360 respectively; 4 box culverts at Toledo, State Institute Project 10, to E. Wolfe, Toledo, $1,600. Grand total $118,695. Noted Apr. 1.

Ia., Logan — Harrison Co., bridges on Federal Aid Project 138, to Roords Co., Rock Rapids, $26,000.

Kan., Hoxie—See "Streets and Roads."

Kan., Iola—See "Streets and Roads."

Kan., Ottawa—See "Streets and Roads."

Nebraska—See "Streets and Roads."

Mont., Miles City — Custer Co., F. F. Bohling, clk., 454 ft. steel beam bridge over Powder River, near Terry, to W. P. Roscoe, Billings, $44,339. Noted July 30.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, nine 42 ft. rein.-con. span viaduct, 70 ft. to carry Kingshighway Blvd. over Terminal Belt R.R. line in Penrose Park, to J. J. Bailey, 6176 Pershing Ave., $174,274. Noted Mar. 11.

Texas and Oklahoma—E. P. Walsh, aud. Wichita Co., Wichita Falls, Tex., and J. M. Page, state highway engr., Capitol Bldg., Oklahoma City, Okla., rein.-con. bridge over Red River, between Burkburnett, Tex., and Randlett, Okla., to Austin Bridge Co., 1815 Clarence St., Dallas, $240,255. Engrs. est. $300,000. Noted Feb. 4.

Tex., Galveston—C. C. Washington, engr., Galveston, one 40 ft. simple span bridge with 20 ft. I-beam creosoted pile approach and about 900 ft. lin.ft. creosoted pile trestle across Dickinson Bayou, to Johnson Constr. Co., Galveston, for Galveston Co., c/o J. M. Murch, aud. $36,844. Noted Mar. 18.

Tex., San Antonio — Bexar Co., c/o A. McCloskey, judge, constructing 3 rein.-con. bridges one each on Palo Alto, Babcock and Fredericksburg Rds., and 3 rein.-con. bridges one each on Pyron, Blue Wing and Medina Rds., to L. E. Saunders, c/o Alamo Natl. Bank Bldg., $71,311 and $81,110 respectively; rein.-con. bridge over Salado Creek on Bulverde Rd., to Black & Werner, 807 Drexel Ave., $27,596; and rein.-con. bridge over Chupaderas Creek, on Stuart Rd., to Dielmann Constr. Co., 306 East Commerce St., $25,717. Grand total $205,734. Noted Apr. 15.

California — State Hy. Comn., Forum Bldg., Sacramento, widening present bridge by moving four 100 ft. existing steel spans off center line of roadway and constructing 4 similar spans at side, etc., across Rio Honda, near Los Angeles, Los Angeles Co., to Gutleben Bros., I. W. Hellman Bldg., Los Angeles, $84,819. Engrs. est. $105,880. Noted Apr. 1.

California — State Hy. Comn., Sacramento, thirty-six 39 ft. span rein.-con. girder bridge over Santa Maria River, north of Santa Maria, San Luis Obispo Co., to Rocca & Caletti, 609 C St., San Rafael, $107,440. Noted Apr. 8.

Dams

Bids Desired

N. Y., Lancaster — See "Excavation, Drainage, Irrigation, Levees, River and Harbor."

Contracts Awarded

Idaho, Lewiston—Inland Light & Power Co., Portland, Ore., dam, incl. 7,000 ft. dike, 400,000 cu.yd. excav. and power plant, here, to Winston Bros., 801 Globe Bldg., Minneapolis, Minn., to exceed $2,000,000.

Wash., Chelan Falls—See "Buildings—Industrial."

Railways

Proposed Work

Mississippi — Yazoo & Mississippi Valley R.R. Co., subsidiary of Illinois Central R.R. Co., 135 East 11th Pl., Chicago, Ill., A. F. Blaess, ch. engr., having preliminary plans prepared extensive yard improvements and additional shops, in Vicksburg, here.

Tennessee—Nashville, Chattanooga & St. Louis R.R. Co., Nashville, H. McDonald, ch. engr., plans track improvements, incl. relaying heavier rails, new tie plates, strengthening and rebuilding new bridges, grade changes, etc., over whole system. $1,500,000.

Quebec — See "Buildings — Industrial" under Quebec, Que.

Bids Desired

Wisconsin—See "Contracts Awarded."

Texas—See "Contracts Awarded."

Contracts Awarded

Wisconsin — Milwaukee Electric Ry. & Light Co., Pub. Serv. Bldg., Milwaukee, will replace 2,074 ft. double street car track road bed, incl. rein.-con. and granite block paving between tracks on East Water St., by day labor. $50,000. E. J. Archambault, c/o owner, ch. engr.

Missouri — St. Louis & San Francisco R.R. Co., F. G. Jonah, Frisco Bldg., St. Louis, ch. engr., permanent construction, incl. concrete piers, abutments, culverts, etc. in Eastern and Southwestern Divs., to Hedges & Weeks, Holland Bldg., Springfield, approximately $25,000; Central Div., to E. G. Fike, Nebraska Bldg., Tulsa, Okla., $6,000; Western Div., to T. H. Johnson, Sedalia, $7,500; Northern Div., to J. W. McMurry Contg. Co., Ry. Exch. Bldg., Kansas City, $65,000; also Southern and River Divs., to United Constr. Co., Lyric Bldg., Cincinnati, O., $23,000. Grand total $126,500. Noted Mar. 25.

Texas — Missouri Kansas & Texas R.R. Co., St. Louis, Mo., F. Ringer, ch. engr., will build 36 mi. standard gauge branch line from Cisco to Albany, here, by day labor. $90,000. Private plans.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Miss., Henderson (mail Bay St. Louis)—C. L. Schmidt & Co., 30 La Salle St., Chicago, Ill., soon takes bids 1,000,000 cu.yd. hydraulic dredge work, will probably take bids on 1,000,000 to 2,000,000 cu.yd. dredge work later, all in connection with 1,400 acre subdivision, here. Complete development $3,000,000. A. M. Shaw, Hibernia Bldg., New Orleans, La., engr. Noted Mar. 4, under "Unclassified."

Minn., Duluth—See "Streets and Roads."

Okla., Tonkawa — Making preliminary plans jetties on Salt Fork River bank for protection. $25,000 or more. Address City Engineer.

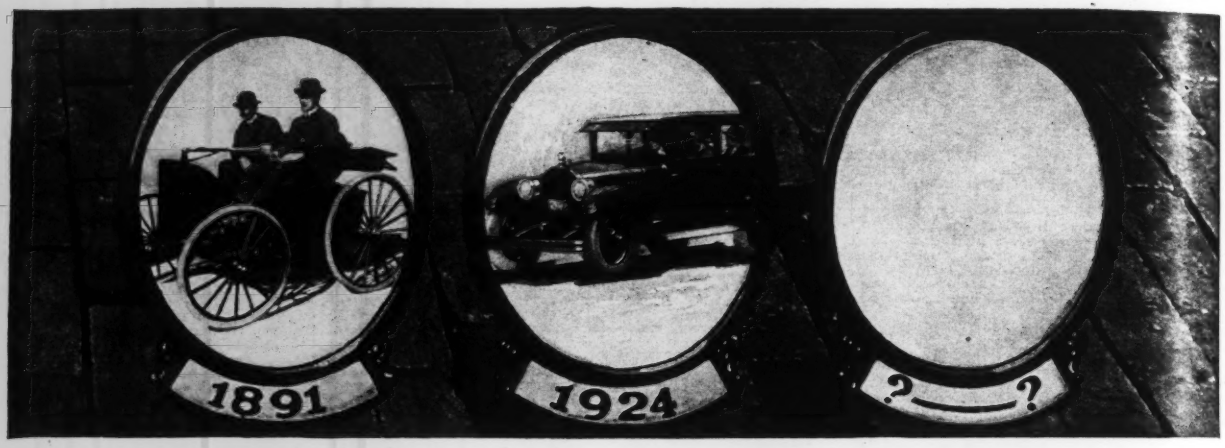
Ont., Toronto—Harbor Comrs. plan concrete sea wall on wood pile foundation, Yonge to Parliament Sts. $460,000, Bay to Yonge Sts. $77,000, and at Humber Bay $20,000. E. L. Cousins, Harbor Bldg., engr.

Bids Desired

N. Y., Buffalo — May 24, by Dept. Pub. Wks., Municipal Bldg., slips and bulkhead in Outer Harbor just off foot of South Michigan Ave.; adv. E. N.-R. Apr. 22.

N. Y., Lancaster—May 3, by T. H. McElvin, Jr., purch. agt. Erie Co. 263 Terrace St., Buffalo, excavating for lake at Como Lake Park; and concrete masonry dam across Cayuga Creek, here. To exceed $50,000.

Ill., Sycamore — May 8, by Comrs. Coon Creek D. D. at office Clerk De Kalb Co., cleaning open ditch, 15,000 cu.yd. excav. W. M. Hay, Leslie Bldg., De Kalb, engr. Noted Oct. 15.



Laid in 1891—
Relaid, other side up, in 1924—

—who can say when this vitrified brick pavement will finally complete its usefulness?

THE background of the illustration at the top of this page is an actual photograph of a typical section of the surface of the principal business thoroughfare of Sunbury, Pa., before applying the filler. The brick on this street, a main traffic route of the city, was originally laid in 1891, 34 years ago. In 1924 it was taken up and relaid. The perfect condition of the relaid surface shows clearly in the photograph. Could Sunbury—or any other community—have made a better paving investment? Can your community —*right now*—do better than to pave with vitrified brick, the pavement with salvage value built in it?

PAVE WITH VITRIFIED Brick

The Pavement that Outlasts the Bonds

NATIONAL PAVING BRICK MANUFACTURERS ASSOCIATION, ENGINEERS BLDG., CLEVELAND, OHIO

Excavation, Drainage, Irrigation, Levees, River and Harbor (Continued)

Wis., Appleton — Apr. 29, by H. W. Wieckert, secy. Outagamie Co. Drainage Bd. 112 West Sumner St., dredging Duck Creek at Five Corners, Dist. 6, Block Creek and Center Twps., 184,000 cu.yd. excav. To exceed $15,000. L. M. Schindler, 401 North Clark St., engr.

Calif., Grass Valley—May 1, by Directors Nevada Irrigation Dist., 4 mi. power line and 10 mi. conduit for Mountain Div. Works, 12,700 lin.ft. metal flume, 102,000 cu.yd. excav. in solid rock, 77,000 cu.yd. common excav., 23,000 cu.yd. excav. in loose rock, 7,500 sq.ft. concrete lining, 2,450 lin. ft. 9 x 9½ ft. tunnel, etc. F. H. Tibbetts, Alaska Comm. Bldg., San Francisco, engr. Noted Mar. 25.

Ontario—Apr. 27, by L. E. O'Brien, secy. Dept. Pub. Wks., Ottawa, dredging in Port Arthur and Ft. William, 1,070,000 cu.yd. clay, hardpan, boulders, and sand. $700,000. K. M. Cameron, Dept. Pub. Wks., Ottawa, engr.

Bids Received

Calif., Woodland—Trustees Reclamation Dist. 68, Yolo Co., Apr. 2, irrigation laterals, 165,000 cu.yd. excav., from C. B. Merrill, Colusa, team work $0.1666 per cu.yd.; from J. Philipps, 637 Santa Ray Ave., Oakland, drag-line work $0.11. Noted Mar. 25.

Contracts Awarded

Md., Baltimore — Excavating trenches in Eastern Dist., to M. L. Quinn, 5308 York Rd., $18,404.

La., Hammond—Comrs. Tangipahoa D. D. 1, 69 mi. canals and laterals, 2,600,000 cu.yd. excav., 3 concrete and 33 timber bridges, etc., to Sternberg Dredging Co., Arcade Bldg., St. Louis, Mo. **(Contr. 1)** $278,444 (3) $12,900 (4) $9,120 (5) $23,-738; to Jacobson & Mortenson, Hammond, (2) $74,955. Noted Mar. 4.

O., Cleveland—Dredging Cuyahoga River and under and around city bridges, to Great Lakes Dredge & Dock Co., Williamson Bldg., $80,800 and $12,710 respectively. Noted Feb. 25.

Idaho, Lewiston—See "Dams."

Streets and Roads

Proposed Work

Vermont — State Hy. Dept., Montpelier, plans concrete paving 1.68 mi. roads in Hartford. Federal Aid appropriates towards cost. H. E. Sargent, ch. engr.

Mass., Boston—Plans to borrow $500,000 widening Oakland and Ashland Sts., West Roxbury Dist.; also plans laying out and constructing Greylock and Maple Sts., Brighton Dist., $25,000. J. H. Sullivan, comr. Dept. Pub. Wks.

Conn., Hartford — Plans widening, curbing, sidewalks and paving Windsor Ave. from Main to Capen Sts. $200,000. R. N. Clark, City Hall, engr.

Conn., New Haven—Plans asphalt paving State St. from Grand Ave. to Wall St., State St. from Ferry to James Sts., Whalley Ave. from Bway. to Sperry St., Whitney Ave. from Bradley to Trumbull Sts., Union Ave. from Carlisle to State Sts., and Willow St. from State to View Sts.; concrete paving Edgewood Ave. from West River Bridge to Alden Ave.; and granite block paving Water St. from Bell Dock approaches to Forbes Ave. S. A. York, pres. Permanent Paving Comn.

N. J., New Brunswick — Plans grading, curbing and paving Hale, Suydam, Bristol and Bethany Sts. $76,300. A. Atkinson, New Brunswick, engr.

N. J., New Egypt — Ocean Co. (Toms River) plans bituminous paving 4 mi. Whiteville Rd. from here to Grovers Corner. J. M. Abbott, Toms River, engr.

W. Va., Charleston—City Council soon takes bids surfacing, etc., 150,000 sq.yd. Madison and 11 other streets. $50,000. H. L. Campbell, 1550 Lewis St., engr.

W. Va., Fairmont—Unoin Dist. Marion Co., election May 11, $100,000 bonds, completing 3.5 mi. Fairmont-Grafton Rd. B. H. Palmer, Fairmont, engr.

W. Va., Lewisburg — Lewisburg Dist. Greenbriar Co., election May 1, $127,000 bonds, improving various roads. H. L. Handley, Lewisburg, engr.

W. Va., Parkersburg—Union Dist., Wood Co. election May 4, $112,000 bonds, constructing roads. W. Sharron, Parkersburg, engr.

Ga., Montezuma—Voted $32,000 bonds, paving various streets. J. Felton, mayor. Noted Feb. 18.

Fla., Clearwater—Election Apr. 27, $77,-000 bonds, causeway approach.

Miss., Pascagoula—Jackson Co. Dist. 4, voted $84,000 bonds, paving road from Ocean Springs north of Ft. Bayou to Jackson Co. line.

La., Benton—Bossier Parish takes bids about July 11, grading and paving (1 section) 37 mi. hardsurfaced and 38 mi. graveled roads of Louisiana State and Federal Aid, and (3 sections) 75 mi. graveled parish roads. $1,630,000. J. R. Wend, Court House, engr.

La., Cedar Grove — Making plans and takes bids about June 1, rein.-con. paving 7 blocks Caddo Ave., 30 ft. $50,000. C. D. Evans, 414 Levy Bldg., Shreveport, engr.

Tenn., Benton — Polk Co. appropriated $31,000, improving various roads.

Tenn., Huntington — Carroll Co. voted $172,000 bonds, improving 42 mi. various roads. Noted Apr. 1.

Tenn., Knoxville—Knox Co. voted $70,000 bonds, reconstructing and surfacing various highways.

Tenn., Marysville—Blount Co. voted $35,-000 bonds, improving highway from Townsend to Hendricks Gap.

Tenn., Sneedville — Hancock Co. voted $50,000 bonds, improving road from Claiborne Co. line to Virginia State line.

Ky., Henderson — Henderson Co., plans surfacing 17 mi. various roads, etc. To exceed $25,000.

O., Akron—W. F. Peters, dir. Pub. Serv., soon takes bids grading, curbing, walks and cindering 650 cu.yd. Herman Ave., $8,700, and 950 cu.yd. Laffer Ave., $12,700; grading, curbing, concrete sidewalks, etc., on 9,300 sq.ft. Bisson Ave., $9,000; grading, curbing, walks and ornamental lighting system and vitr. brick paving 5,680 sq.yd. Orlando Ave., $48,900; grading, curbing and vitr. brick paving 1,185 sq.yd. Whitney Ave. $8,300, 2,230 sq.yd. Oberlin St. et al, $17,900, and 6,730 sq.yd. Crouse St. et al, $48,000. E. A. Kemmler, Municipal Bldg., engr.

O., Cincinnati — Made plans repaving vertical fibre brick repaving 4,800 sq.yd. and sheet asphalt 10,500 sq.yd. Bway. from 4th St. to Reading Rd., $109,133; and concrete paving 12,500 sq.yd. Glenway Ave., $72,874. C. O. Sherrill, City Hall, engr.

O., Woodsfield — Made plans curbing, grading, brick paving, etc., 4th St. from Market St. to Wood St., Wood St. from 4th St. to Public Rd. St., Public Rd. Ct. from Wood to South High Sts., and South High St. from Public Rd. St. to its west terminus. $29,000.

O., Youngstown—Comrs. Mahoning Co. soon take bids bituminous macadam paving, etc., 6,009 mi. Canfield-Columbiana Rd., 18 ft. $167,000.

Ill., Avon—W. E. Marks, mayor takes bids about May 10 grading, curbing, and rein.-con. paving 6 blocks Main St. $48,000. R. M. Connolly, Bank of Galesburg Bldg., Galesburg, engr.

Ill., Chicago—Voted $12,500,000 bonds, widening various streets. $8,500,000 to be used this year.

Ill., Edwardsville—Madison Co. takes bids about May 1, grading and concrete paving 1.25 mi. Edwardsville-Poag Rd., and 2,000 ft. Glen Carbon Rd. W. E. Howden, Court House, supt.

Ill., Galva—Plans curbing, grading and rein.-con. paving 1½ mi. various streets 18 and 30 ft. $50,000. M. S. Morgan, City Hall, engr.

Ill., Kewanee — Plans grading, curbing, granite on rein.-con., brick or warrenite paving 6 blocks Tremont and 5th Sts., 30 ft. $34,886-$40,990. J. G. Palmer, City Hall, engr.

Ill., Savanna—Takes bids in May curbing, guttering, sewers and rein.-con. paving 2,000 sq.yd. Walnut St., 920 sq.yd. 4th St., 2,000 sq.yd. 4th and Webster Sts.; rein.-con. paving and 30,000 sq.ft. sidewalks on street and alley crossings in East Savanna and Oak Park. A. Schnell, 915 North 2nd St., Clinton, Ia., engr.

Ill., Springfield—Plans rein.-con. paving 1.8 mi. north and west sides enlarged Fair Grounds, 18 ft., $45,000; also grading, curbing and brick on concrete paving 9 blocks Mason St., 30 ft., $55,951. W. W. Seeley, City Hall, engr.

Wis., Fond du Lac — J. Hohensee, city clk., soon takes bids paving 55,000 sq.yd. various streets. G. H. Stanchfield, City Hall, engr. Noted Dec. 10.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., making plans widening Cedar and Biddle Sts. between 6th St. and Bway. $2,200,000. J. Schwada, City Hall, engr.

Ia., Burlington — Des Moines Co. voted $1,000,000 bonds, paving 32.3 mi. Primary Roads 8 and 20. C. E. Waterhouse, Burlington, co. engr.

Ia., Iowa City — Auditor Johnson Co. takes bids about May 1, grading, etc. 105,000 cu.yd. road. $30,000. G. M. Griffith, Iowa City, co. engr.

Minn., Duluth — City, W. H. Tischer, comr. made plans and takes bids about June 10, removing Point of Rocks between 8th and 14th Aves. W. by opening Superior St. on 4.9% grade through rock obstruction and West End Hillside Dist. by means of avenue which will cut an angle at 9th Ave., etc., 92,150 cu.yd. rock excav., 26,000 cu.yd. excav. and crushed walls, paving, curbing, sewers, etc. $478,852. J. Wilson, city engr.

Kan., Columbus—Cherokee Co., plans grading, gravel surfacing, etc. 6.481 mi. Federal Aid Project 299-A; and grading, concrete surfacing, etc. 1.328 mi. Federal Aid Project 96-A and C, both 18 ft. H. W. Tyrrell, Columbus, co. engr.

Kan., Wellington — Sumner Co. plans grading, sand clay surfacing, etc. 7.947 mi. Federal Aid Project 323-C, 18 ft. J. W. Mavity, Wellington, co. engr.

Kan., Wichita — Rejected bids concrete and asphalt paving various streets. $25,000. Will readvertise. P. L. Brockway, 1039 South Topeka St., engr. Noted Jan. 14.

Mo., Canton—See "Unclassified."

Mo., St. Louis—Made plans repairing wood block paving on Washington Ave. between 4th and Jefferson Sts., $20,000; reconstructing amiesite paving 2,890 sq.yd. Tamm Ave. $25,950, 2,445 sq.yd. Penrod St. $18,300, 2,215 sq.yd. Bischoff St. $19,-300, and 965 sq.yd. Columbia St. $8,100. W. W. Horner, 300 City Hall, engr.

Mo., Springfield — Making preliminary plans grading and concrete paving 4,504 sq. yd. Fort Ave., 930 sq.yd. Florence St., and 730 sq.yd. Benton St. S. R. Fisher, City Hall, engr.

Mo., Stewartsville—Voted $25,000 bonds, 6 and 7 in. concrete paving 9,000 sq.yd. various streets. W. Shikles & Co., 708 New York Life Bldg., Kansas City, engrs. Noted Apr. 1.

Mo., Warrensburg—Plans asphalt or concrete paving streets in residential district. To exceed $25,000.

Ark., Bentonville — Making preliminary plans grading, curbing and hardsurfacing 12 blocks Public Sq., West 12th, Main, West A and East 14th Sts. Engineer not selected.

Ark., Brinkley — Making preliminary plans grading and paving 6 blocks various streets, 56 ft. $30,000. T. W. Orr, mayor. Engineer not selected.

Ark., Dardanelle—Soon takes bids grading, curbing and concrete, asphalt or other hardsurfacing 37,000 sq.yd. streets in Paving Dist. 1. J. G. Lawrence & Co., Gazette Bldg., engrs.

Tex., Albany—Shackelford Co. making plans grading and bridging 17.36 mi. Highway 1, Federal Aid Project 495-A. $100,-000. L. C. McCanlies, Abilene, engr.

Tex., Angleton—Brazoria Co. plans grading, bridging and concrete on shell surfacing 11.74 mi. Highway 58, Federal Aid Project 442-A, 18 ft. $452,000. C. A. Gavin, Angleton, engr.

Tex., Brackettville—Kinney Co. election soon $200,000 bonds, improving 16 mi. highway radiating from here. Address County Commissioners.

Tex., Cuero—DeWitt Co. making plans grading, bridging and bituminous macadam paving 10 mi. Highway 21, Road Dist. 1, 18 ft. $245,000. W. H. Koether, Yoakum, co. engr.

Tex., Decatur—Wise Co. making plans grading and bridging 7.7 mi. Highway 39, Decatur-Jacksboro Rd., 26 ft. $56,000. H. R. Hayes, Decatur, co. engr.

Tex., Floresville — Wilson Co. making plans and takes bids within 30 or 40 days, rock asphalt paving, etc., 14 mi. San Antonio-Corpus Christi Highway, 18 ft. $150,-000. F. E. Hess, Floresville, co. engr. A. C. Love, Austin, state highway engr.

Tex., Henderson—Rusk Co. made plans and soon takes bids grading and bridging 3.522 mi. Highway 64 from Chapman to Panola Co. line, 26 ft. $36,500. C. R. Newton, Henderson, co. engr.

Tex., Karnes City—Karnes Co. takes bids after Apr. 26, grading and bridging 9.07 mi. Highway 12-A, Federal Aid Project 434-D, Unit 1. $57,000. O. N. Powell, Karnes City, engr.

Tex., Karnes City — Karnes Co. making plans limestone rock asphalt on 5 in. compacted waterbound macadam and 5 in. caliche paving 9.07 mi. Highway 12, Federal Aid Project 434-D, Unit 2, 18 ft. $150,000. O. N. Powell, Karnes City, engr.

Tex., Kingsville—Voted $125,000 bonds, paving various streets.

Tex., Laredo—Webb Co. making plans rock asphalt on caliche paving 13.246 mi. Highway 12-A, Federal Aid Project 436-A, 18 ft. $150,600. T. E. Huffman, Laredo, co. engr.

Tex., Marlin — Falls Co. rejected bids gravel resurfacing 9.22 mi. State Highway 44, Federal Aid Project 297, 16 ft. $25,000. Will readvertise. V. B. Harris, Rosebud engr.

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Streets and Roads (Continued)

Tex., Quanah—Hardeman Co. made plans grading and bridging 7.76 mi. Highway 5 extending east of here, 26 ft. $28,000. J. B. Nabors, Quanah, co. engr.

Tex., San Juan—Election Apr. 27, $60,000 bonds permanent paving 30 blocks various streets. Address Mayor.

Tex., Taylor—Abilene Co. making plans grading and bridging 6.63 mi. Highway 1-A, Federal Aid Project 495-D. $40,000. L. C. McCanlies, Abilene, engr.

Tex., Vernon—Making plans paving 4 blocks Fannin St., 1 block Dawson St. and 1 block Wanderer St. $35,000. J. B. Nabors, Vernon, engr.

Okla., Carnegie — Making preliminary plans concrete paving 10 blocks various streets. Grant, Fulton & Letton, 213 Magnolia Bldg., Oklahoma City, engrs.

Okla., Hennessey—Voted $31,570 bonds grading, curbing and concrete paving 10,400 sq.yd. Oklahoma Ave. V. V. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs. Noted Feb. 18.

Okla., Sapulpa — Plans concrete paving streets in Paving Dists. 81 and 82. $100,000. F. E. Laurence, Sapulpa, engr.

California—State Hy. Dept., Sacramento, made plans constructing 8 mi. Modesto-Ripon Highway, Stanislaus Co. $200,000. R. M. Morton, Forum Bldg., Sacramento, highway engr.

Calif., Los Angeles—Made plans improving Neptune Ave. and G St., 66,951 cu.yd. cut, 7,965 cu.yd. fill, 569,132 sq.ft. 7 in. and 583,286 sq.ft. 7 in. concrete paving, 300,175 sq.ft. one course walks, 166,351 sq.ft. 2 in. sheet asphalt on 6 in. concrete paving, curbing, etc. J. O. Shaw, City Hall, engr.

Calif., Los Angeles — Los Angeles Co. making plans curbing, guttering, paving, etc., portions of 114th Ave., Co. Impvt. 524. $125,000. G. Jones, Hall of Records, co. engr.

Calif., Oakland — Made plans grading, curbing, guttering, walks, and asphaltic concrete paving, etc., 37,649 sq.ft. 26th St. W. W. Harmon, city engr.

Calif., San Diego—Made plans improving Woolman Ave. between 30th and 40th Sts., 358,124 sq.ft. 5 in. concrete paving, 10,125 lin.ft. concrete curbing, 49,337 sq.ft. concrete sidewalk, etc. F. A. Rhodes, city engr.

Calif., San Francisco—Made plans walks, 1½ in. asphaltic concrete on 6 in. concrete surfacing, etc., 74,352 sq.ft. Fillmore St. between Cervantes and Marina Blvds. $28,000. M. M. O'Shaughnessy, city engr.

Calif., Santa Maria—Made plans curbing, guttering, and concrete paving 72,315 sq.ft. Church St. between Bway. and McClelland Ave., etc. Y. Peterson, city engr.

Ont., Fort Erie—Council plans asphalt on concrete, concrete or macadam paving 25,000 sq.yd. Bertie Rd. $100,000. Engineer not selected. A. E. Seaton, Fort Erie, clk.

Ont., Guelph—Wellington Co. plans concrete paving main road in Peel Twp., ¾ mi. Moorefield, and ¾ mi. Clifford, total 7 mi. long. $85,000. G. M. Fox, County Bldgs., engr.

Ont., Hamilton — M. McFaul, city engr. preparing plans concrete paving Melrose Ave., for City. $60,000.

Ont., St. Catharines—Plans concrete paving St. Paul, Geneva, Louisa, Ontario and Church Sts. B. F. Lamson, City Hall, engr. $100,000.

Ont., Toronto—Plans grading and paving, etc., Wineva Ave., $27,714; asphalt on concrete paving lane 1st west of Margueretta St., $13,969; concrete paving lane between Gladstone and Dufferin Sts., $20,000; opening and grading lane between Galley and Pearson Aves., $11,100, and Tedburgh Rd. extension, $9,850. R. C. Harris, City Hall, engr.

Ont., Windsor—Plans widening Arthur St., and concrete paving Bruce Ave. $68,000. M. E. Brian, City Hall, engr.

Ont., Woodstock — Oxford Co. plans graveling, grading, macadam and concrete paving various roads. $160,000. W. Forbes, Woodstock, road supt.

Que., Outremont—Appropriated $359,576, paving and grading various streets. E. Lacroix, city mgr.

Bids Desired

Massachusetts—Apr. 27, by Dept. Pub. Wks., Boston, bituminous concrete paving 3,764 ft. highway in West Bridgewater; also rein.-con. paving 4,600 ft. highway in Norwood, both 18 ft. W. F. Williams, comr.

Massachusetts — May 4, by Dept. Pub. Wks., Boston, rein.-con. paving 18,498 ft. highway in Somerset and Swansea, 18 ft. W. F. Williams, comr.

Mass., Brookline (br. Boston)—Apr. 26, by Bd. Selectmen, A. G. Killion, secy., Town Hall, bituminous macadam surfacing Wolcott Rd. $25,000.

Mass., Gardner — Apr. 27, by F. W. Proctor, supt. Streets, City Hall, reinforced paving 4,000 sq.yd. streets, also 20 ton single type self supporting reinforcement Havemayer bars, or 20 ton ½ in. square deformed bar, etc.; adv. E. N.-R. Apr. 22.

Mass., Roxbury (Boston P. O.)—Apr. 30, by Dept. Pub. Wks., Boston, sheet asphalt or bitulithic paving Huntington Ave. from Forsythway to Riverway, here. $28,000 bonds. J. H. Sullivan, comr.

Mass., South Boston (sta. Boston)—Apr. 29, by Dept. Pub. Wks., Boston, W. F. Williams, comr., bituminous macadam paving and regrading Anchor St., here. To exceed $25,000.

New York—May 7, by A. W. Brandt, comr. Highways, Albany, improving highways in Cortland, Genesee, Monroe and Oneida Counties; also reconstructing highways in Fulton, Monroe, Orleans, Putnam, Tompkins, Washington and Wyoming Counties; adv. E. N.-R. Apr. 22.

N. Y., Brooklyn—Apr. 28, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, regulating, regrading and cement sidewalks on 7th Ave. and 67th St.; grading and curbing Bath, 15th, 21st and Miller Aves., East 27th and East 37th Sts.; grading and permanent asphalt on 6 in. concrete repaving Avenues M and R, Livonia, Willoughby, 7th, 12th and 21st Aves., Bergen, Decatur, East 27th, Hooper, Montgomery, West 5th, 47th, 55th, 67th, 70th and 71st Sts.

N. Y., New York—Apr. 27, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., grading, curbing, guttering and sidewalks on East 172nd and East 194th Sts., Harrold, Morrison, Lafayette, Pugsley, Edison and Barnes Aves.

N. Y., New York—Apr. 29, by J. Miller, pres. Manhattan Boro, Municipal Bldg., grading and sheet asphalt on concrete repaving Stanton, Goerck, and 32nd Sts.; granite block on concrete repaving Greenwich St.; grading and sheet asphalt repaving (except strip 10 in. adjacent to railroad tracks, which is to be 2 course granite block paving), 42nd St. and Madison Ave.

New Jersey — May 10, by State Hy. Comn., Trenton, grading and rein.-con. paving Route 9, Sect. 19 from Perryville to Clinton, Hunterdon Co. A. L. Grover, secy.; adv. E. N.-R. Apr. 22.

N. J., Freehold — May 5, by Bd. Freeholders Monmouth Co., rein.-con. paving approaches to Bridges 0-11, Sunset Ave., Wanamassa; and N-14 Grand Ave., Asbury Park. G. K. Allen, Jr., 60 Broad St., Red Bank, engr.; adv. E. N.-R. Apr. 22.

N. Y., Fulton—May 7, by Common Council, at office M. C. Baker, city clk., grading, curbing, guttering, sidewalks and asphaltic concrete paving various streets. H. S. Andrews, city engr.; adv. E. N.-R. Apr. 22.

N. J., Hopewell—Apr. 27, by Mercer Co. (Trenton), penetration macadam paving 1.25 mi. Hopewell-Stoutsburg Rd. $43,000. H. P. Harris, Trenton, co. engr. Noted Nov. 12.

N. J., Salem—May 7, by Road Com. Bd. Freeholders Salem Co., reconstructing Woodstown-Swedesboro Rd. from Route 6, State Highway System at Railroad bridge at Woodstown and ending at Gloucester Co. line at Oldmans Creek. H. B. Keasbey, Salem, co. engr.

Pa., Altoona—Apr. 26, by City Council, W. J. Hamer, clk., City Hall, 40,000 sq.yd. concrete, 11,300 sq.yd. bitulithic and 10,000 sq.yd. vibrolithic paving 24 streets. H. J. Baum, city engr.

Pa., Clearfield—Apr. 26, Boro Council, G. E. Rosser, pres., concrete paving 5,000 ft. Gulch Ave., Locust, Weaver, West Front, 5th and Witmer Sts., 20 ft. $50,000. E. W. Hess, boro engr. Noted Mar. 25.

Pa., Montgomery — May 7, by Boro Council, W. E. Schnee, secy., grading, rein.-con. paving, etc. 3,000 ft. Broad St., 22 ft. $30,000. M. C. Krause, Larrivee Bldg., Williamsport, engr.

Pa., Phila.—Apr. 27, by Dept. Pub. Wks., Bureau of Highways, Schedule A, grading various streets; Schedule B, asphalt repaving; Schedule C, granite block repaving; Schedule D, paving and repaving Levington Ave.; Schedule E, grading, paving and repaving various streets; Schedule F, improving country roads; Schedule G, widening 15th and 16th Sts.; Schedule H, furnishing asphalt paving mixture; and Schedule I, paving and repaving certain alleys. G. H. Biles, dir.

Maryland—May 4, by State Roads Comn., Baltimore, macadam resurfacing 2.4 mi. Contr. W-45, Washington Co. and 1.2 mi. Contr. F-60, Frederick Co.; concrete paving 2 mi. Contr. B-78 Baltimore Co., 1 mi. Contr. Ce-55 Cecil Co., 1.44 mi. Contr. Wi-34 Wicomico Co., and 1.75 mi. Contr. Wo-37 Worcester Co. H. N. Mackall, chn.; adv. E. N.-R. Apr. 22.

Md., Baltimore—Apr. 28, by Bd. Awards, grading and sheet asphalt paving 10,610 sq. yd. Contr. 334, and 7,800 sq.yd. Contr. 335; also concrete paving 8,600 sq.yd. Contr. 333. S. Purcell, City Hall, highways engr.

Virginia—May 4, by State Hy. Comn., Richmond, grading, curbing and bituminous concrete surfacing, etc., 50,193 sq.yd. Route 21, Project F-421-A and B, Page Co. E. J. Shirley, chn.

W. Va., Lewisburg—Apr. 17, at office W. L. Tabscott, recdr., 7 in. concrete paving 3,000 sq.yd., bituminous macadam on reconstructed paving 5,500 sq.yd., and surface treating 3,600 sq.yd. various streets. $28,000. Noted Feb. 18.

W. Va., Morgantown — May 17, by Monongalia Co. Court, broken stone macadam paving 4.8 mi. project 3 and 4, 16 ft., Clinton Dist., $72,000. A. J. Baritell, Morgantown, engr.

W. Va., Morgantown—May 17, by Court, Magnolia Co., improving 6 mi. Wadestown-Blackwell Rd., Project 3366, and 6 mi. Fairview Rd., Project 2, both Batelle Dist. J. M. Gregg, co. clk.; adv. E. N.-R. Apr. 22.

W. Va., Wellsburg—Apr. 27, by Street Com., C. McGlumphy, chn., resurfacing various streets. M. E. Boyd, city engr.

North Carolina — May 4, by State Hy. Comn., Raleigh, hard paving 67.22 mi. roads in various counties; sand clay, top soiling and gravel surfacing 40.84 mi. various counties; and bridges in 2 counties; adv. E. N.-R. Apr. 22.

Ga., Eastman—May 5, by M. C. Edwards, city mgr., curbing, sidewalks and concrete paving 23,000 sq.yd. various streets. W. M. Cook, 534 Washington St., Macon, engr.

Florida—May 5, by State Rd. Dept., Tallahassee, clearing, grubbing, grading, etc., 14.17 mi. and 9.95 mi., various roads, 30 ft., Levy Co. J. L. Cresap, Tallahassee, engr.

Ala., Birmingham — June 1, by City Comn., asphalt on concrete paving 5 blocks 7th Ave., 60 ft. $44,100, and 3 blocks 10th Ave., 40 ft. $20,325; asphalt paving 1 block 3rd Ave. S., 40 ft. $8,000 and 1 block Ave. H (Ensley), 40 ft. $1,570. Address City Engineer.

Miss., Hattiesburg — Apr. 27, by Bd. Supervs. Forrest Co., improving 5.7 mi. Federal Aid Projects 69-A, 70-A, 71-A and 73-B, 427 ft. 18 and 24 in. culvert pipe, 21,862 lb. reinforcing, 59,357 sq.yd. paving, 1.9 mi. Bermuda sod, bridges over 20 ft. span, incl. 9,558 lb. structural steel, 68,136 lb. reinforcing, 3,680 lb. piling, 146,729 ft. creosoted timber, etc. H. C. Dietzer, Jackson, engr.

Miss., Long Beach—May 4, by Mayor & Bd. Aldermen, improving various streets, 12,033 sq.yd. concrete sidewalks, 9,133 ft. concrete curbing, 14,630 ft. combined curb and gutter, 1,400 cu.yd. grading, etc. R. Girnon, Jr., city engr.

Miss., Philadelphia—May 4, by Mayor and Bd. Aldermen, improving Myrtle St., 1,700 cu.yd. paving, 1,000 cu.yd. excav., 450 ft. 12 and 15 in. storm, 850 ft. 8 in. sanitary sewers, etc.

Louisiana—Apr. 27, by State Hy. Comn., Baton Rouge, graveling 7.47 mi. Livonia-Opelousas Highway, Federal Aid Project 169-B, St. Landry Parish. W. B. Robert, Reymond Bldg., Baton Rouge, highway, engr.

Kentucky—May 10, by State Hy. Dept., Frankfort, **(F. A. P. means Federal Aid Project and S. A. P. means State Aid Project)**, grading 6.4 mi. Glasgow-Elbow Springs-Burkesville Rd., F. A. P. 116-B, and 7.5 mi. Glasgow-Scottsville Rd., F. A. P. 28-A Barren Co., 12.8 mi. Bardwell-Paducah Rd., S. A. P. 9½-A Carlisle Co., 2.2 mi. Hopkinsville-Guthrie Rd., F. A. P. 123-A Christian Co., 4.7 mi. Owensboro-Stanley Rd., S. A. P. 8-F, and 3.4 mi. Owensboro-Beech Grove Rd., S. A. P. 76-A, both Daviess Co., 8.2 mi. Mt. Vernon-Stanford Rd., F. A. P. 148-A, Rockcastle Co., and 10.6 mi. Hopkinsville-Guthrie Rd., F. A. P. 123-B, Todd Co.; surfacing 11.5 mi. Pineville-Harlan Rd., F. A. P. 151 Bell Co., 3.8 mi. Elizabethtown-Hodgenville Rd., F. A. P. 118-A Hardin Co., 14.8 mi. Harlan-Pineville Rd., F. A. P. 151 Harlan Co., 1 mi. Hodgenville-Elizabethtown Rd., F. A. P. 118-A Larue Co., 2.9 mi. Richmond-Mt. Vernon Rd., F. A. P. 88, Madison Co., 6.6 mi. Mt. Vernon-Richmond Rd., and F. A. P. 88, Rockcastle Co.; grading and surfacing 3.1 mi. Owensboro-Stanley Rd., S. A. P. 8-E, Daviess Co. E. N. Todd, highway engr. Noted Apr. 15.

O., Akron—May 1, by Comrs. Summit Co., brick paving and widening from 14 to 20 ft. 5 mi. Manchester Rd. $75,000.

O., Akron—May 10, by W. F. Peters, dir. Pub. Serv., grading, curbing and vitr. brick paving 5,900 sq.yd. Peerless Ave. $50,500, 6,730 sq.yd. Crouse St. et al., $48,000, and 2,230 sq.yd. Oberlin St. et al., $17,900; also grading and cindering 400 cu.yd. Sheck St. $6,600, and 725 cu.yd. Hunt St. $4,900. E. A. Kemmler, Municipal Bldg., engr. Noted Apr. 8.

O., Cincinnati—Apr. 23 (extended date), by Comrs. Hamilton Co., grading and con-

Streets and Roads (Continued)

crete paving 12,000 sq.yd. North Bend Rd. from Burnt School House to Yogel Rds. $41,721; and 22,575 sq.yd. Camargo Rd. from corporation line of Maderia to Allendale, $96,516. E. A. Gast, Court House, engr. Noted Apr. 1.

O., Cleveland—Apr. 28, by City, grading, curbing and paving Dillewood Rd. N. E., East Blvd. S. E., Mt. Vernon Ct. S. W., East 18th St., Adeline Ave. S. W., Albers Ave., Alger Ave. N. W., Burnside Ave. N. E., Kazimer Ave. S. E., Schiller Ave. S. W., and Western Ave. N. W., Abell Ave. S. E., from East 123rd to East 130th Sts., Abell Ave. S. E., from East 130th to East 140th Sts., East 30th St. from Prospect to Central Aves., East 30th St. from Prospect to Euclid Aves. $500,000. R. Hoffman, City Hall, engr.

O., Columbus—May 5, by Comrs. Franklin Co., grading and waterbound macadam paving, etc., 0.51 mi. Central Ave. $12,306, 0.566 mi. 1st Ave. $13,424, and 1.085 mi. Coffman Rd., $15,929, all 16 ft.; 0.53 mi. Harper Rd. $17,464, and 0.106 mi. Deshler Ave., $3,841, both 20 ft. C. C. Lattimer, Court House, engr. Noted Apr. 8.

O., Rocky River—May 4, by Village, asphaltic concrete paving 11 streets. $100,000. E. H. Arnold, Town Hall, engr.

Ind., Elkhart—Apr. 23, by Bd. Pub. Wks., sheet asphalt or asphaltic eoncrete paving McDonald St., $39,800; laying 5 ft. standard concrete sidewalks on Blaine Ave. $2,620, Hubbard Ave. $2,600, Benham Ave. $400, 6th St. $420, and Compton Ave. $750.

Ind., Evansville—Apr. 28, by City Comn., asphaltic concrete, brick or asphaltic concrete on concrete paving 5 streets. $80,000.

Nebraska—Apr. 29, by Dept. Pub. Wks., State House, Lincoln, **(F. A. P. means Federal Aid Project and S. A. P. means State Aid Project)**, gravel surfacing, etc. 140,400 sq.yd. F.A.P. 156-A, 10.9 mi. F.A.P. 228-B, 205,000 sq.yd. F.A.P. 278-A, 41,000 sq.yd. F.A.P. 143-F, 113,700 sq.yd. F.A.P. 29, 3,080 sq.yd. S.A.P. 8, 81,000 sq.yd. F.A.P. 4, 41,750 sq.yd. F.A.P. 49-A, 197,000 sq.yd. F.A.P. 266-A, 193,700 sq.yd. F.A.P. 263-B, 42,000 sq.yd. F.A.P. 153-C, 83,900 sq.yd. F.A.P. 127-A, 122,500 sq.yd. F.A.P. 134-B and 87,800 sq.yd. F.A.P. 70-D; grading, etc. 155,000 cu.yd. F.A.P. 292-A, 70,000 cu.yd. F.A.P. 34-C, 13.2 mi. F.A.P. 275-A, and 130,000 cu.yd. F.A.P. 136-D; brick, sheet asphalt, bituminous or concrete paving 14,384 sq.yd. F.A.P. 91-D. R. L. Cochran, highway engr.

Ind., Fowler—May 3, by Bd. Comrs. Benton Co., Court House, grading and crushed limestone paving 15,736 ft. Edward Pitstick, et al Rd., Hickory Grove Twp. $27,761.

Ind., Vincennes—May 4, by comrs. Knox Co., grading and concrete paving 3.302 mi. J. B. E. LaPlante County Unit Rd. $81,419, and 0.564 mi. James Hankins et al., Rd. $12,038, both Vincennes Twp.; grading and graveling, etc. 1.238 mi. Matt Keller et al., Rd., Johnson Twp. $7,100, and 2.197 mi. H. P. Hoke et al., Palmyra Twp. $19,070.

Mich., Flint—Apr. 26, by Genesee Co., graveling 3.039 mi. A. D. Rd. 69, and 4.43 mi. A. D. Rd. 76.

Mich., Wayne—Apr. 27, by I. K. Comer, village clk., curbing, concrete or sheet asphalt paving 80,000 sq.yd. Michigan Ave. and various streets. Boulay-Harrison Co., 912½ Bway., Toledo, O., engrs.

Ill., Chicago—Apr. 28, at office Bd. Local Impvts., Room 207, City Hall, improving Walden Parkway, Ave. F, Christiana North Hamlin, Langley, North Lorel, Potomac, Lowe, South Union and Emerald Aves., Crystal, North Sangamon, North State, West 34th, South Wood, West 98th, West 112th, West 113th and West 114th Sts., and 13 alleys. J. J. Sloan, pres.

Ill., Peoria—Apr. 28, by W. E. Emery, supt. Highways, grading and rein.-con. paving 18,224 sq.yd. Sect. Y-15-D, State Route 1, Mt. Hawley Rd. $50,000.

Wisconsin—Apr. 27, by State Hy. Comn., Div. Office 1, Capitol Annex, Madison, grading, concrete paving, etc., 75,288 sq.yd. Federal Aid Project 428-A and B, Rock and Jefferson Counties. J. T. Donaghey, ch. engr.

Wisconsin—Apr. 28, by State Hy. Comn., Div. Office Court House, La Crosse, grading, crushed stone surfacing, etc., 14,562 cu.yd. Federal Aid Project 412-A, State Job 5852, and 6,747 cu.yd. State Job 5891 Vernon Co., 4,583 cu.yd. Federal Aid Project 87-S, 3,881 cu.yd. Federal Aid Project 390-A, and 4,783 cu.yd. State Job 5892, La Crosse Co.; also gravel surfacing 4,406 cu.yd. and shale surfacing 17,621 cu.yd. Federal Aid Project 368-A, Trempealeau Co.; and Coon Valley Bridge, 120 ft. steel truss span, etc., on State Job 5891-B-5682, Vernon Co. J. T. Donaghey, Madison, ch. engr.

Wis., Wauwatosa—Apr. 30, by Bd. Pub. Wks., A. Brigham, secy., rein.-con. paving, etc. 16,510 sq.yd. Stickney and Gridley Aves., Pleasant and Albert Sts. J. E. Lowther, City Hall, engr.

Ia., Cedar Rapids — Apr. 27, by Auditor Linn Co., graveling 4 mi. Road 2, and 6.5 mi. Road 6.

Ia., Creston — May 6, at office Auditor Union Co., improving 3.784 cu.yd. Clark Co. Line Rd. W., Federal Aid Project 83, 49,431 cu.yd. excav., 2,253 sta.yd. overhaul, 3,543 ft. 6- to 12-in. tile drain, etc.

Ia., Garner—Apr. 27, by Auditor Hancock Co., graveling Hutchins-Corwith Rd. and Hutchins-Woden Rd. C. F. Merten, Garner, co. engr.

Ia., Ottumwa — Apr. 22, by City, E. J. Chambers, city clk., paving 25 blocks various streets, 24 and 30 ft. $100,000. E. J. Chambers, city clk.

Ia., Red Oak—Apr. 28, by Auditor Montgomery Co., grading 193,302 cu.yd. primary road north of Villisca. G. Cole, Red Oak, co. engr.

Ia., Toledo — Apr. 29, at office Auditor Tama Co. improving 6.809 mi. primary road south of Tama, Federal Aid Project 257, 116,691 cu.yd. excav., 107,000 sta.yd. overhaul, etc. L. W. Croft, Toledo, co. engr.

Ia., Vinton — Apr. 27, at office Auditor Benton Co., improving 26.343 mi. Federal Aid Projects 251, 258, 263, 278 and 285, 347, 546 cu.yd. excav., 237, 485 sta.yd. overhaul, etc.

Minn., Marshall — May 3, by R. D. Houdersheldt, aud. Lyon Co., improving Lynd-Balaton Highway, State Aid Rd. 3, Job 2609, 127,000 cu.yd. excav., 3,000 ft. portable and 189 cu.yd. monolithic concrete culverts, also one 40 ft. low truss bridge. $30,000.

Minn., St. Paul — Apr. 27, by A. E. Eggert, city purch. agt., relaying and repairing cement sidewalks on various streets. G. M. Shepard, city engr.

Minn., St. Paul—May 3, by G. J. Riess, aud. Ramsey Co., grading, 7.5 in. rein.-con. paving, etc. 21,730 sq.yd. Frost Ave. $80,000 P. N. Coates, 900 Guardian Life Bldg., engr.

Kan., Alma—May 21, by Clerk Wabaunsee Co., grading, etc., 6.053 mi. Federal Aid Project 292-D, 28 ft. F. Itz, Alma, co. engr. Noted Oct. 15.

Kan., Independence — See "Contracts Awarded."

Kan., Lyons—Apr. 29, by D. Bruna, clk. Rice Co., concrete and brick surfacing 2.064 mi. Old Santa Fe Trail, Federal Aid Project 331-A, 18 ft.

Kan., Russell—May 7, by Clerk Russell Co., grading, etc., 49,150 cu.yd. Federal Aid Project 301-C. F. S. Gilmore, Russell Co., co. engr.

Nebraska — State Hy. Dept., Lincoln, taking bids 2 in. gravel surfacing 61,200 sq.yd. Sargent-Taylor Rd., Federal Aid Project 42-A, in Broken Bow. R. L. Cochran, Lincoln, engr.

Nebraska—Apr 26, by Dept. Pub. Wks., State House, Lincoln, 3 in. gravel surfacing, etc. approximately 7,600 sq.yd. Eagle-Elmwood Rd., Project 153-B, Plattsmouth Co. R. L. Cochran, Lincoln, engr.

Nebraska—Apr. 30, by Dept. Pub. Wks., State House, Lincoln, **(F.A.P. means Federal Aid Project)** gravel surfacing, etc. 198,200 sq.yd. F.A.P. 168-B, 97,100 sq.yd. F.A.P. 284-A, 6,400 sq.yd. F.A.P. 71-F, 104,000 sq.yd. F.A.P. 200-A, 64,500 sq.yd. F.A.P. 21, 56,500 sq.yd. F.A.P. 287, 45,400 sq.yd. F.A.P. 96-D, 70,970 sq.yd. F.A.P. 45-B, 130,400 sq.yd. F.A.P. 254-B, 83,100 sq.yd. F.A.P. 243-A, 75,000 sq.yd. F.A.P. 80-B, 166,600 sq.yd. F.A.P. 108, 3.5 mi. F.A.P. 139-C, 47,000 sq.yd. F.A.P. 68-D, 81,800 sq.yd. F.A.P. 139-G, 18,000 sq.yd. F.A.P. 139-J, 69,000 sq.yd. F.A.P. 83-A, and 74,100 sq.yd. F.A.P. 281-A; grading, etc. 20,200 cu.yd. F.A.P. 111-C, 79,500 cu.yd. F.A.P. 245-B, and 134,600 sq.yd. F.A.P. 221-C; and 3 bridges on F.A.P. 69-B. R. L. Cochran, Lincoln, highway engr.

South Dakota — Apr. 27, by State Hy. Comn., Pierre, grading 1.16 mi. White River Bridge approach, State Aid Project 137, Mellette Co., 20,516 cu.yd. excav. and 23,920 cu.yd. overhaul; concrete culverts and headwalls on 32.02 mi. State Aid Project 42, Corson Co., 1,184 cu.yd. concrete and 113,742 lb. reinforcing; also two 60 ft. viaducts on same project, 186 cu.yd. concrete, 20,807 lb. reinforcing and 90,996 lb. structural steel, etc. J. C. Botterman, Pierre, highway engr.

Neb., Hayes Center—May 1, by Clerk Hayes Co., 3 in. gravel surfacing, etc., 52,000 sq.yd. Culbertson-Hayes Center Rd., Project 126-A, and 30,300 sq.yd. Hayes Center-North West Rd., Project 63-A. R. L. Cochran, Lincoln, highway engr.

Mo., Stanberry—Apr. 26, by City Clerk, grading, curbing, guttering and concrete paving 5,513 sq.yd. various streets. Leslie Eng. Co., St. Joseph, engrs.

Arkansas—Apr. 29, by State Hy. Dept., Little Rock, grading and graveling 8 mi. Magnolia-Village Rd., Federal Aid Project 232-A; improving 8.3 mi. Camden-Stephens Rd., Federal Aid 223-B, Ouachita Co., 19.51 acres clearing, 15.04 acres grubbing, and 86,352 cu.yd. excav., etc. R. C. [illegible], Little Rock, state highway engr. Noted Apr. 22.

Texas — Apr. 29, by H. Mosel[illegible], State Hy. Comn., Austin, grading and bridging 9.098 mi. State Highway 7, Federal Aid Project 498, 26 ft. Nolan Co. $25,000; also 2½ in. bituminous macadam on sledged stone paving 7.9 mi. Highway 20, Federal Aid Project 304-B, Unit 2, Travis Co., 18 ft. $80,000.

Washington—May 4, by State Hy. Comn., Olympia, grading, etc. 207,500 cu.yd. Federal Aid Project 161-A, Yakima Co.; 87,000 cu.yd. Federal Aid Project [illegible]-B Kittitas Co.; 73,000 cu.yd. Chimacum-Port Townsend Rd., Jefferson Co.; and [illegible],000 cu.yd. Lake Southerland-Elwha River Rd., Clallam Co.; also 100,000 cu.yd. Federal Aid Project 153-B, Mason Co. [illegible] W. Hoover, highway engr.

Wash., Bellingham — May 5, by City Comrs., grading, paving, etc. 5 streets, $58,000. J. C. Hills, Bellingham, engr.

Wash., Olympia — Apr. 30, by Comrs. Thurston Co., improving roads, [illegible] cu.yd. excav., 1,300 cu.yd. overhaul, 516 ft. 8 and 12 in. concrete pipe, etc. N. I. McKay, Olympia, engr.

Wash., Port Angeles—May 4, by Comrs. Clallam Co., graveling 10 mi. Twin-Dyslat Rd. F. Sullivan, Port Angeles, engr.

Wash., Seattle—Apr. 30, by City Comrs., concrete paving, etc. 31,100 sq.yd. Columbia-Yakima Sts. M. Zahren, Wenatchee, engr.

California—May 3, by State Hy. Comm., Sacramento, concrete shoulders and asphalt or bituminous surfacing 6.9 mi. road between San Juan and Hollister, San Benito Co.; also widening with concrete shoulders 8,475 cu.yd. Whitewater River and Edom, Riverside Co. R. M. Morton, Forum Bldg., Sacramento, highway engr. Noted Apr. 15.

Calif., Colusa—May 4, by Supervs. Colusa Co., grading, graveling and asphaltic concrete paving 39,705 sq.ft. road from Colusa Drawbridge east along Butte Creek Rd. J. M. Felknor, Colusa, co. engr.

Calif., Hayward—Taking bids improving A St. between Western Pacific R.R. and Southern Pacific R.R. tracks, 98,980 sq.ft. grading and 1½ in. Warrenite bituminous on 3½ in. asphaltic concrete surfacing, 9,310 sq.ft. concrete guttering, 3,221 lin.ft. concrete curbing, etc. J. B. Holly, Bank of Italy Bldg., engr.

Calif., Marysville—May 3, by Supervs. Yuba Co., grading and 2½ in. Warrenite-bitulithic surfacing, etc., 95,040 sq.ft. Hammonton Rd. $30,000 or more. J. R. Meek, Marysville, co. surv. Noted Mar. 25.

Calif., Martinez — May 3, by Supervs. Contra Costa Co., improving 2,500 lin.ft. Harbor Blvd., 8,500 cu.yd. excav., etc. Former bids rejected. R. R. Arnold, Martinez, co. surv. Noted Mar. 18.

Calif., Ventura — Supervs. Ventura Co. taking bids improving Grimes Canyon Rd., 70,000 cu.yd. excav. and removal, 100 cu.yd. concrete culvert, 6,000 lbs. reinforcing. C. W. Petit, Ventura, co. surv.

Ontario — Apr. 30, by S. L. Squires, deputy minister Dept. Highways, Parliament Bldgs., Toronto, concrete and asphalt paving 38.62 mi. Contr. 26-116 to 127 (inclusive) $1,200,000; macadam paving 19.8 mi. Contr. 26-128 to 130 (inclusive); bituminous paving 7.72 mi. Contr. 26-131 and 3.5 mi. Contr. 26-132, $70,000; oiling and spraying 39.8 mi. Contr. 26-133 to 136 (inclusive) $100,000; grading Contr. 26-137 and 138, $25,000; and concrete bridge on Contr. 26-139, $20,000. R. M. Smith, 110 University Ave., Toronto, engr.

Ont., Ottawa—Apr. 27, at office Commission, 279 Carling Ave., bituminous surfacing 2½ mi. Metcalfe Rd., 3,200 tons crushed stone on Merivale Rd., and supplying 80,000 gal. bituminous material. A. K. Hay, engr.

Bids Received

N. Y., Brook Haven—Concrete road on north shore, from J. Romeo, Patchogue, $39,649.

N. Y., Brooklyn — J. A. Guider, pres. Brooklyn Boro, Boro Hall, Apr. 14, from F. DeVito, 158 17th St., grading Ashford St. $5,382, East 12th St. $3,484, East 27th St. $3,171, West 5th St. $3,700, West 7th St. $4,098, West 9th St. $5,567, 54th St. $2,494, 56th St. $3,868, and 71st St. $5,136, from Castle Bros., Inc., Johnson Pl., Bedford Ave. $3,843, East 9th St. $3,847, and Avenue H $3,855, from V. Peconi, 581 Prospect Ave., East 27th St. $2,949, East 35th St. $891, Ryder Ave. $1,248, and 64th St. $2,045, from A. E. Castle, Inc., 3313 Tilden Ave., East 37th St. $3,416, and Remsen Ave. $6,877, from F. Persicano, 489 Lenox Ave., 56th St. $3,163; from Borough Asphalt Co., 1301 Metropolitan Ave., asphalt paving Bedford Ave. $9,819, Brooklyn Ave. $10,205, East 8th St. $4,585, East 27th St. $7,590, East 29th St. $7,987, Remsen Ave. $4,361, Ryder

Streets and Roads (Continued)

Ave., 3,230, Schenck Ave. $4,283, 11th Ave. $17,456, and 54th St. $5,392; from Uvalde Asphalt Paving Co., 1 Bway., New York City, East 35th St. $3,025, from Cranford Co., 52 9th St., Powell St. $5,939, from B. Turecamo Contg. Co., 8706 Bay 12th St., 7th St. $6,513, 56th St. $6,734, 80th St. $7,765, and granite paving 82nd St. $18,216. Noted Apr. 8.

N. Y., Buffalo—Paving with (a) brick (b) Mexican asphalt (c) standard asphalt on (1) Dewey Ave. (2) Lisbon Ave. (3) Millicent Ave. (4) Rounds Ave. (5) Rutgers St. (Hewett Ave.), from B. F. Spire, 24 Colonial Circle, (a1) $9,645; from Rock Asphalt & Constr. Co., Morgan Bldg., (c1) $9,298 (c3) $34,834 (c4) $51,908; from Standard Paving Ltd., 54 Frelinghuysen Ave., Newark, N. J., (b1) $9,750 (b2) $37,-175 (b3) $7,380 (b4) $57,525 (b5) $55,100; from H. P. Burgard Co., 1965 Filmore Ave., (c2) $35,347 (c5) $52,145.

N. Y., New York — H. Bruckner, pres. Boro, Crotona Park, 3rd and Tremont Aves., Apr. 15, sheet asphalt repaving Prospect Ave. from Boston Rd. to Crotona Park West, and Claremont Parkway from 3rd to Fulton Aves., from Interboro Asphalt Paving Co., 2306 Creston Ave., $12,-778 and $15,771 respectively. Noted Apr. 8.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., Apr. 16, relocating curb on easterly side Nagle and St. Nicholas Aves., etc., from Valatia Constr. Co., 15 East 40th St., $2,393; grading and sheet asphalt repaving Bway., from Gaffney Constr. Corp., Grand Central Terminal Bldg., $113,837; grading, curbing and granite block on concrete paving East 138th St., from St. George Paving Co., 90 West St. $10,775, and Madison St., from Casper Helbock Co., Inc., 633 Wales Ave. $186,971. Noted Apr. 15.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., grading, curbing and flagging Payson Ave. from Beak St. to Seaman Ave., from T. DiRoma, 33 Evelyn Pl., $38,419. Noted Apr. 15.

N. Y., St. George — J. A. Lynch, pres. Richmond Boro, Boro Hall, Apr. 13, bituminous concrete paving Tompkins St. from J. E. Donovan Paving Co., Richmond Terrace, Port Richmond, $30,883; concrete paving in yard garbage destructor at West New Brighton, from Richmond Paving Co., Ft. Wadsworth, $3,419. Noted Apr. 8.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, Apr. 8, from D. Duffin, 5101 Roosevelt Blvd., grading Anchor St. $730, Brill St. $965, and Summerdale St. $8,985, from Gudknecht & Cullison, Torresdale St. and Robbins Ave., Bleigh and Whitaker Sts. $2,090, and Levick St. $3,086, from T. P. Lee, 5629 Cherry St., Callowhill and Girard Sts. $21,135, from Dewees Bros., 7200 Shellbourne St., Hunting Park, N, Cayuga, Claridge, Dungan, Glendale, Howland, Luzerne, Markland, Maywood, Neilson and Ormond Sts. $57,267, Frontenac and Loretta Sts. $4,401, and Tyson St. $1,411, from S. C. Ratzell, Limekiln Pike and Harris St., Cornelius, Herman and Tulpehocken Sts. $12,025, from Curtis Bros., State Rd. and Unruh St., E. Emerson, Hoffnagle and Ryders Sts. $2,709, Philmont St. $7,572, from J. F. Nolen & Sons, 64 Church Lane, 65th Ave., Fern, Edna, Franklin, Front, Gale, Lawrence, Spencer, 2nd, 4th, 9th, 11th and 12th Sts. $40,165, from J. J. McHugh, 1617 Rac St., Foust St. $925, Ritner and 12th Sts. $1,256, from L. Dolente, 5122 Master St., Glen-Echo St. $21,771, and from J. F. Mallory, 15 East Mermaid Lane, Sydenham and 65th Sts. $5,047; from Barber Asphalt Co., 239 North 30th St., Asphalt paving Durham St. $5,262, Limekiln Pike $12,196, Ogontz St. $71,921, East School Lane $4,583, Upland Way $23,935, Webb St. $3,179, Wyncote St. $12,897 52nd St. $19,989, 66th St. $15,797, 67th St. $7,510, asphalt repaving Carlisle, Fernon, McClellan, Mountain, Pierce and Sigel Sts. $43,996, Haverford St. $163,428, Randolph St. $4,473, Redner and Swain Sts. $8,484; from Union Paving Co., 30th and Locust Sts., asphalt paving Erie St. $175,993, asphalt repaving Allegheny St. and track area $51,178, Lehigh St. $92,290, Christian St. $8,325, Edgemont St. $4,973, Lambert, Marvine, Olive and Opal Sts. $7,887; from Eastern Asphalt Paving Co., Penna Bldg., asphalt paving Kingessing St. $50,499, Roanoke St. $6,145, Wakeling St. $6,713, 17th St. $5,898, 61st St. $2,900, and Chester St. $2,262, from Mack Paving & Constr. Co., Nicetown Lane and Luzerne Sts., Spencer St. $16,806, Stokley St. $26,758, 17th St. $7,343, and 66th St. $24,357; from United Paving Co., Real Estate Trust Bldg., redressed granite block repaving Bridge St. $67,360, Stewart, Stillman, Taylor and Turner Sts. $12,764, 12th St. (track area) $18,750, 24th St. $6,831, and concrete paving in front of Commercial Museum near 34th and Spruce Sts. $7,172; from Municipal Paving Co., 702 Catharine St., redressed granite block repaving Richmond St. $68,117.

Delaware—State Hy. Dept., Dover, Apr. 14, improving with (a) stone (b) slag (c) stone concrete (d) slag concrete (e) metal joint (f) non-metal joint, (1) 0.28 mi. Bear Station Crossing Elimination, Contr. 58, (2) 3.85 mi. Ginns Corner-Middletown, Contr. CN-32, (3) 1.25 mi. Rising Sun-Lebanon, Contr. CK-31, from Stewart & Donohue, Wilmington, (1a and 1b) $9,084 each (2e) $168,134 and (2f) $167,116; from George & Lynch, Dover, (3ce) $36,037 (3cf) $35,640 (3de) $35,164 (3df) $35,640 (3df) $35,164 (3df) $34,167. Noted Mar. 25.

Maryland—State Rds. Comn, Baltimore, graveling 1.69 mi. Contr. C-23, Calvert Co., from E. R. Jarvoe, Mechanicsville, $22,987; concrete paving 2.05 mi. Contr. G-34, Garrett Co., from T. D. Claiborne Co., Garrett Bldg., Baltimore $44,231, 1 mi. Contr. C1-56, Carroll Co., from Hoffinberger & Mause, Myersville $17,737, and 1.35 mi. Contr. Q-36, Queen Annes Co., from J. K. Flick, Sudlersville $19,938; concrete shoulders and resurfacing 4.51 mi. Contr. Wi-6-B, Wicomico Co., from Hanneman-Burroughs Co., Salisbury, $75,172; concrete shoulders on 5.2 mi. Contr. Ho-7-A, Howard Co., from Catalano & Picora Constr. Co., Old Town Natl. Bank Bldg., Baltimore $34,-934 and 2.4 mi. Contr. M-6-A, Montgomery Co., from M. J. Grove Lime Co., Lime Kiln, $16,450. Noted Apr. 8.

Md., Baltimore — Bd. Awards, grading and concrete paving footways as listed in Footway Contr. 91, from P. Lavezza, 911 Eastern Ave., $27,249. Noted Apr. 8.

Md., Baltimore—Bd. Awards, sheet asphalt paving 26,000 sq.yd. Contr. 326, from P. Flanigan & Sons, Harford Rd. and Baltimore & Ohio Ry. tracks $96,736, and 12,860 sq.yd. Contr. 328, from Amer. Paving Co., Montebello Ave. $52,085; concrete paving 19,630 sq.yd. Contr. 327, from J. J. Bresnan, Woodland Ave. $54,201; also paving alleys listed in Alley Contr. 119, from J. Lavezza, 911 Eastern Ave., $22,497. Noted Apr. 8.

Louisiana — State Hy. Comn., Baton Rouge, Apr. 13, graveling 5.12 mi. Natchitoches-Boyce Highway, State Project 429-E, Natchitoches Parish, from Hankins Bros., Natchitoches, $41,407. Noted Mar. 18.

Louisiana — State Hy. Comn., Baton Rouge, Apr. 8, graveling 3.17 mi. New Hope-Good Hope Highway, State Project 533, St. Charles Parish, from S. T. Hulse, Destrehan, $9,982; furnishing gravel, from Phoenix Gravel Co., New Orleans, $2.0925 per cu.yd. Noted Apr. 1.

O., Cincinnati — Comrs. Hamilton Co., Apr. 9, tar bound macadam paving 29,400 sq.yd. section road from Cincinnati-Dayton Rd. to Cincinnati-Zanesville Rd., from O. E. Radabaugh, Cornell Ave., Hazelwood, $57,-956. Engrs. est. $70,230. Noted Apr. 1.

O., Cincinnati — Oiling 25 mi. various macadam streets, 500,000 gal. road oil, from J. S. Tobitt & Co., 325 Wyoming Ave., Wyoming, $38,500. Engrs. est. $40,000.

Mich., Adrian—Lenawee Co., paving 2.04 mi. Ogden and Riga Twp. Rd., 3.26 mi. Wellsville East, and 4.37 mi. Manitou Beach through Geneva, from L. Martine, La Porte, Ind.; waterbound macadam $138,809, and bituminous macadam $160,823.

Mich., Mt. Clemens—Macomb Co., Apr. 6, concrete paving 6.549 mi. A. D. Rd. 89 and 2.2 mi. A. D. Rd. 99, from J. A. McKay & Son, 150 Burlingame Ave., Detroit, $182,729 and $65,324 respectively; also 2.4 mi. A. D. Rd. 86, from T. E. Currie Co., 909 Free Press Bldg., Detroit, $63,424, all 20 ft. wide. Noted Apr. 8.

Wis., West Allis—A. L. Wichner, supt. Pub. Wks., Apr. 12, from McGucken & Vender Heyden, 314 Fowler St., Milwaukee, improving 22 streets, 26,742 cu.yd. cutting at $0.50 per cu.yd., 72,700 sq.yd. paving, rein.-con. $2 per sq.yd. and vibrolithic concrete $2.10, etc. Noted Apr. 8.

Ia., Marquoketa — Jackson Co. Mar. 31, grading 11.791 mi. Marquoketa Jones Co. line Rd., from E. Sask, Cedar Rapids, at $0.255 per cu.yd. for earth, $0.75 for loose and $1.40 for solid rock excav. Engrs. est. $80,000. Noted Mar. 25.

Ark., Little Rock—Grading, curbing and paving streets in Annex 1, Paving Dist. 356, from M. D. L. Cook, 616-17 Home Life Bldg., warrenite, $42,070; from McEachin & McEachin, 713 Home Life Bldg., concrete, $48,284; from D. C. Horton, Ft. Smith, vibrolithic, $43,516; sheet from Southern Material & Constr. Co., Ft. Ashley St., asphalt or concrete, $41,431. Noted Mar. 18.

Colorado—State Hy. Dept., Denver, Apr. 8, paving with (a) topeka on concrete (b) coarse graded topeka on concrete (c) warrenite bitulithic on concrete (d) coarse graded type on blank base (e) black base (f) concrete (1) 6.662 mi. Federal Aid Project 2 R, Constr. Div. 4, Las Animas Co. (2) 0.263 mi. State Project 904-B, Arapahoe Co. (3) 0.3229 mi. Federal Aid Project 272-C, Pueblo Co. (4) 7.565 mi. Federal Aid Project 287-B, Weld Co. (5) timber bridge and graded approaches on State Project 569, Arapahoe Co. (6) paving approaches to bridge on Federal Aid Project 169-R and 290-B, Bent Co., from J. F. Roberts Constr. Co., Tramway Bldg., Denver, (a1) $342,734; from Strange & McGuire, Box 622, Pueblo (b1) $301,484, (3) $10,243; from Stamey-Mackey, Hutchinson, Kan., (c1) $360,910 (d1) $397,417 (e1) $414,792; from J. L. Busselle, 203 Swope Ave., Colorado Springs, (2) $7,372; from A. R. Mackey, Sterling (f4) $115,730 (5) $13,202; and from F. C. Dreher, 1634 Madison St., Denver (6) $23,-033. Noted Apr. 1.

Colo., Denver—Asphaltic concrete paving 12 blocks, Capitol Hill Paving Dist. 32, from Western Paving Constr. Co., 5230 Washington St., $60,145; Capitol Hill Paving Dist. 6, from Allied Contg., Inc., 411 Majestic Bldg., $43,603; and Country Club Paving Dist. 1, from New Mexico Constr. Corp., Box 1707, Denver, $54,343.

Wash., Seattle—Bd. Pub. Wks., Apr. 2, paving 14th Ave. S., from J. B. Covello, 1510 16th Ave. S. (a) $169,077, engrs. est. $177,340 and (b) $169,827, engrs. est. $178,840.

Calif., Chico — From Chico Contg. Co., Chico, improving 6th and 7th Sts., etc., 846,422 sq.ft. grading at $0.01 per sq.ft., and 838,916 sq.ft. 1½ in. asphaltic concrete surfacing $0.16, etc., total $173,040.

Calif., San Mateo—E. W. Foster, city clk., Apr. 5, from Hanrahan Co., Standard Oil Bldg., San Francisco, improving El Camino Real, 118,000 ft. concrete paving at $0.256 per ft., 118,000 ft. grading $0.02, etc., total $38,435. Noted Mar. 25.

Contracts Awarded

N. Y., Brooklyn — J. A. Guider, pres. Brooklyn Boro, Boro Hall, sheet asphalt repaving Utica Ave., etc., and in various streets damaged by subsurface work, to Uvalde Asphalt Paving Co., 1 Bway., New York City, $24,689 and $15,750 respectively, granite repaving Myrtle Ave., and Washington St., etc., to Leonard Paving Co., 233 Bway., $122,121; asphalt resurfacing by heater method various streets, to Cranford Co., 52 9th St., $195,574; and asphalt repaving Pierrepont St., to Sicilian Asphalt Paving Co., 41 Park Row, New York City, $2,396. Grand total $360,530. Noted Apr. 15.

N. Y., New York—W. J. Flynn, acting pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., to Asphalt Constr. Co., 208 Bway., granite block paving St. Ann's Ave. $161,806, St. Ann's Ave., Rae St., etc., $99,-716, East 163rd St. $108,203, Bergen Ave. $30,028, and Kingsbridge Rd. $95,424, to J. Meehan & Son, 90 West St., Odgen Ave. $131,041, and to St. George Paving Co., 90 West St., East 149th St. $33,786; also to Burnside Contg. Co., 270 Burnside Ave., asphalt block repaving East 167th St., $48,-715. Grand total $708,719. Noted Apr. 15.

New Jersey — Road Com. Salem Co., Court House, Salem, bituminous macadam paving 37,336 sq.yd. Salem-Hancock's Bridge Rd., to Fox King Co., Audubon, $93,326. Noted Mar. 18.

New Jersey—State Hy. Comn., Trenton, grading and rein.-con. paving Route 2, Sect. 9, Pensauken Creek to Union Schoolhouse Rd., Camden Co., to W. Eisenberg, Smith-Austermuhl Blk., Camden, $106,134. Noted Apr. 15.

N. J., Mt. Ephraim—Twp. Com., sidewalks and street improvements in Munnemede Manor, to Hill Constr. Co., Mt. Holly, $83,287.

N. J., North Bergen (Ind. br. Weehawken)—North Bergen Twp. Com., Township Hall, improving 3rd Ave. from Hudson Blvd. and Main St. to 36th St., to Clinton Asphalt Co., Union City, $306,842.

N. J., Trenton — Hamilton Twp. Com., W. R. Hart, clk., 10,000 gal. bituminous oil dressing on Bear Swamp Rd., to T. Tobish, Mechanic Bldg., at $0.164 per gal.

Pennsylvania—State Hy. Comn., Harrisburg, **(R. means Route and A. means Application)**, rein.-con. paving, etc. 8,972 sq.yd. R. 118, Sect. 5, Westmoreland Co., to W. H. Nicely Constr. Co., Ligonier, $39,820; 8,876 sq.yd. A. 3582, Lebanon Co., to Davis & Andrew, 520 Central Trust Bldg., Altoona, $34,813; and 50,166 sq.yd. R. 356, Bedford Co., to C. Winters Constr. Co., Butler, $227,486. Grand total $302,119. Noted Apr. 1.

Pa., Pittsburgh—Allegheny Co., rein.-con. paving 11,405 ft. Fleming Park Rd., Contr. 2, Stowe and Kennedy Twps., to Booth & Flinn, Ltd., 461 8th Ave., New York City, N. Y., $396,133. Engrs. est. $600,000.

Pa., Waynesburg — Comrs. Greene Co., concrete 1½ mi. Spraggs Rd., 16 ft., to E. E. Morris, Waynesburg, $76,191.

Md., Baltimore—Bd. Awards, sheet asphalt paving 12,530 sq.yd. Contr. 323, to P. Flanigan & Sons, Harford Rd. and Baltimore & Ohio Ry. $61,140, and 10,900 sq.

Streets and Roads (Continued)

yd. Contr. 324, to Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., $52,391; also concrete paving 5,570 sq.yd. Contr. 325, to Arundel Constr. Co., Knickerbocker Bldg., $15,993. Grand total $129,524. Noted Apr. 15.

Md., Baltimore — Bd. Awards, concrete paving 13,450 sq.yd. Contr. 320, to Aiello Contg. Co., 4th and Gough Sts., $36,806; sheet asphalt paving 22,000 sq.yd. Contr. 322, to Amer. Paving Co., Montebello Ave. $103,203, and 11,740 sq.yd. Contr. 321, to Baltimore Asphalt Block & Tile Co., 1320 North Monroe St., $56,792. Grand total $196,801. Noted Apr. 8.

Md., Baltimore—Concrete paving alleys listed in Contr. 118, to Arundel Constr. Co., Knickerbocker Bldg., $39,631; concrete footways as listed in Contr. 83, to A. Apicella, 2907 McElderry St., $26,000.

Md., Towson — Baltimore Co., 1.05 mi. concrete road in Group 4, Mace and Chesaco Aves., to P. Reddington & Sons, 2 East Lexington St., Baltimore, $26,271. Noted Apr. 15.

W. Va., New Martinsville—Wetzel Co., grading 2 mi. New Martinsville-Wileyville State Rd., to W. F. Allen & Co., Clarksburg, $25,822.

Georgia — State Hy. Dept., East Point, **(F. A. P. means Federal Aid Project and S. A. P. means State Aid Project)**, sand clay surfacing 1.82 mi. Milledgeville-Irwinton Rd., F. A. P. 349-A, Baldwin Co., and chert surfacing 0.613 mi. Dalton-Ringold Rd., S. A. P. 394-A, Whitfield Co., to J. R. & J. B. Miller, Baconton, $34,721 and $13,368 respectively; sand clay surfacing 2.4 mi. Peterson-Offerman Rd., also 2 bridges, on F. A. P. 339, Pierce Co., to Gibson Constr. Co., Savannah, $34,721; gravel surfacing 6.7 mi. Tipton-Valdosta Rd., F. A. P. 90-B, Cook Co., and 9.943 mi. Brunswick-Jessup Rd., S. A. P. S-11-4, Glynn Co., to J. C. Gwinn, Hamilton Sta., Birmingham, Ala., $90,064 and $106,038 respectively; concrete surfacing 9.228 mi. Atlanta-Macon Rd., F. A. P. 1-D, Lamar Co., to Whitley Constr. Co., La Grange, $214,657, 12.255 mi. Atlanta-Macon Rd., F. A. P. 396 and 306-B, Lamar and Monroe Counties, to Davis Constr. Co., Walton Bldg., Atlanta, $208,364, and 15.98 mi. Augusta-Wrens Rd., F. A. P. 370-A and 250, Richmond Co., to O. Lawrence, Augusta, $401,734; double surface treating 2.75 mi. Savannah-South Carolina Rd., F. A. P. 318 and 286, Chatham Co., to Dixie Contg. Co., 793 East St. Julian St., Savannah, $11,020; penetration macadam surfacing 1.807 mi. Cornelia-Baldwin Rd., F. A. P. 320, Habersham Co., to C. W. Lyle, Blairsville, $39,962. Noted Mar. 12 and Apr. 15.

Ala., Birmingham — City Comn., **(e. e. means engineers estimate)**, grading and asphalt paving 2 blocks 3rd Ave. and 70th St., also grading and macadam paving 3 blocks 37th St., both 40 ft., to Cooper & Taylor, Amer. Trust Bldg., $5,476 and $5,367 respectively, e. e. $6,500 and $5,500 respectively; asphalt on concrete paving 5 blocks 24th St. and Huntsville Rd., 40 and 50 ft., to Southern Roads Co., 104 North 17th St., $31,748 e. e. $32,000, and 2 blocks 3rd Ave. S. and 5th Ave. S., 60 ft., to Independent Paving Co., Amer. Trust Bldg., $12,751 e. e. $13,300; asphalt paving 7 blocks 7th Ave. S., 50 ft., to Dunn Constr. Co., Lincoln Life Bldg., $37,408 e. e. $38,250, 3 blocks 11th St., to H. N. Bowdry, Alabama Power Co. Bldg., $24,134 e. e. $25,200, 1 block 10th Court, 50 ft., and concrete sidewalks on 1 block 36th Pl., 4 ft., to A. T. Mehaffey, 7836 Underwood Ave., $2,028 and $1,001 respectively, e. e. $2,250 and $1,200 respectively, 1 block 9th Ave. S., 4 ft., to P. Richter, 1805 Pearson Ave., $780 e. e. $850. Grand total $120,693. Noted Feb. 4 and 18.

Miss., Booneville—Grading, curbing, guttering, sidewalks, sewers and paving 16,100 sq.yd. various streets, to Hogan Constr. Co., Exch. Bldg., Memphis, Tenn.; 14,000 ft. cable, 89 ornamental posts, etc., for White Way lighting system, to Floyd Electric Co., Martin Bldg., Birmingham, Ala. Noted Feb. 25.

La., Monroe—City Council, grading, curbing and sheet asphalt on asphaltic concrete paving 11 blocks various streets, to J. J. Hamiter, 337 Washington St., Shreveport, $20,955. Noted Feb. 18.

Tenn., Johnson City — Bd. City Comrs., Municipal Bldg., 6 in. concrete paving various streets, to Humbard Constr. Co., Empire Bldg., Knoxville, approximately $100,000. Noted Mar. 4.

O., St. Clairsville—Comrs. Belmont Co., concrete paving 2 mi. Belmont-Lamira Rd., 16 ft., to Miller & Pletcher, St. Clairsville, $72,540.

Michigan — State Hy. Dept. at office Comrs. Clinton Co., St. Johns, graveling 3½ mi. A. D. Rd. 21, to J. E. Van Dyne, Clare, Mich., $32,012. Noted Mar. 18.

Mich., Allegan—Allegan Co., graveling 5 mi. A. D. Rd. 11, 12 ft., to Armintrout Constr. Co., Pullman, $45,903. Noted Mar. 25 under "Michigan."

Mich., Flint—Genesse Co., graveling 1.348 mi Belsay Rd., and 1 mi. Irish Rd. and 1.348 mi. Belsay Rd., to G. B. Sculley, Goodrich $19,104, 1.243 mi. Richfield Rd., to Halihan & Larkin, Flint $9,424, and 3.341 mi. Miller Rd., to A. Jeffrys, 1882 Madison Ave., Saginaw, $98,301; and concrete paving 6.486 mi. Flushing Rd., to H. C. Nelson, Muskegon, $203,330. Grand total $231,858.

Mich., Jackson — Jackson Co., grading, etc., 5 mi. Hanover Rd., to H. A. Drake & Son, Battle Creek, $22,079, 3.4 mi. Waterloo Rd., to A. J. LaPorte, Jackson, $8,959; also graveling 3.39 mi. Henrietta Twp. Rd., to W. E. Bowler, Clare, $19.921. Grand total $50,959.

Ill., Chicago — South Park Comrs., 57th St., and College Ave., paving Grant Park and Lake Front extension, to Amer. Asphalt Paving Co., 133 West Washington St., $93,342; repairing asphalt pavements of South Park system to R. F. Conway Co., 844 Rush St., approximately $250,000; resurfacing, etc. Soldiers Field, to T. M. White Co., 2828 Harding St., $25,000. Grand total $368,324. Noted Feb. 25.

Ill., Decatur — Grading, curbing and asphalt paving 7 blocks East Eldorado St., 40 ft., to Birt & Driscoll, Decatur, $53,740. Engrs. est. $49,237. Noted Apr. 15.

Wisconsin — State Hy. Comn., Madison, concrete paving, etc. 127,149 sq.yd. Menomonie-Eau Claire Rd., Federal Aid Project 381-A and B, Dunn and Chippewa Counties, to P. C. Kroeck, 1,000 Humboldt Ave., Milwaukee, $297,231; and 653 sq.yd. Elk Mound-Eau Claire Rd., Federal Aid Project 381-C, Eau Claire Co., to Cast Stone Constr. Co., Eau Claire, $158,357.

Wisconsin—State Hy. Dept., at Div. Office 4, Citizens Natl. Bank Bldg., Wisconsin Rapids, grading and graveling, etc., 6.25 mi. New Lisbon-Sparta Rd., Job 4937, Juneau Co., to Nelson, Mullen & Nelson, 355 Temple Court Bldg., Minneapolis, Minn., $49,619; and 4.06 mi. Kilbourn-Wisconsin Rapids Rd., Federal Aid Project 394-B, Wood Co., to A. Mews, Auburndale, $45,509. Noted Mar. 18.

Wisconsin—State Hy. Dept., at Office 4, Citizens Natl. Bank Bldg., Wisconsin Rapids, grading, concrete paving, etc., 38,501 sq.yd. Federal Aid Project 442-A and B, Waupaca Co., to Morris Martin Co., Berlin, $94,786. Noted Mar. 25.

Wis., Beloit—Bd. Pub. Wks., Type "B" rein.-con. paving various streets, to Western Asphalt Corp., Sioux City, Ia., $130,220. Noted Apr. 8.

Wis., Racine—H. A. Nelson, comr. Pub. Wks., to Western Impvt. Co., 840 9th St., improving 7 streets, 46,907 sq.yd. concrete paving at $2.58 per sq.yd., 11,747 ft. curbing and guttering $0.90, and 11,747 ft. concrete guttering $0.70; and to J. B. McCarthy, 1301 Maryland Ave., Milwaukee, improving 5 streets, 9,107 ft. concrete curbing and guttering at $0.855, and guttering alone $0.43. Noted Apr. 1.

Wis., Shorewood (Milwaukee P. O.) — T. B. Olson, village clk., concrete paving, etc. 21,000 sq.yd. various streets, to Kroening Constr. Co., 39th Ave. and Mitchell St., Milwaukee, $66,246; and 38,500 sq.yd. concrete sidewalks on various streets, to E. C. Borst, Port Washington, $8,002. Noted Apr. 1.

Wis., Tomahawk — H. G. Bell, city clk., vibrolithic concrete paving 37,060 sq.yd. 5th St., Tomahawk and Wisconsin Aves., to C. Lotz, 1016 Grand Ave., Wausau, $69,314. Noted Apr. 1.

Wis., Wauwatosa — Bd. Pub. Wks., A. Brigham, secy., rein.-con. paving 30,700 ft. North Ave., to Jacobus & Winding Constr. Co., 1 State St., $78,053. Noted Apr. 15.

Wis., West Bend—H. W. Vroman, div. engr., at Office 2, 444 Milwaukee St., Milwaukee, concrete paving, etc. 49,787 sq.yd. South Germantown-West Bend Rd., to Simpson-Parker Co., 318 East Franklin St., Appleton, $141,281. Noted Apr. 1.

Wis., Whitefish Bay—Concrete paving, etc., 13,400 sq.yd. Washington St., to P. C. Kroeck, 749 Maryland Ave., Milwaukee, $33,192.

Iowa—State Hy. Dept., Ames **(F. A. P. means Federal Aid Project and P. R. P. means Primary Road Project)**, gravel surfacing 9.194 mi. Boxholm Rd., P. R. P. 30, Boone Co., and 14.585 mi. Junction-Polk Co. line Rd., F. A. P. 11 and F. A. P. 265, to H. F. Haden, Bennington, Neb., $13,515 and $48,044 respectively, 8.563 mi. Oelwein-Bremer Co. line Rd., P. R. P. 10 and F. A. P. 164, Fayette Co., to W. R. Garland, New Hampton, $10,262, 5.021 mi. New Hampton-Floyd Co. line Rd., P. R. P. 19, F. A. P. 76 and 160, Chickasaw Co., to C. R. Thompson, Shell Rock, $5,696, 11.381 mi. Manly Rd., P. R. P. 9 and F. A. P. 268-A, also ½ mi. in town of Manly, and 5.42 mi. Northwood-Lake Mills Rd., P. R. P. 165 and F. A. P. 216, Worth Co., to L. C. Kimball, Clear Lake, $10,579 and $6,[illegible] respectively; grading 5.689 mi. Austinville Rd., P. R. P. 5 and F. A. P. 274-A and B, Butler Co., to S. Caldwell, Omaha, Neb., $15,154, 4.575 mi. Chariton Rd., P. R. P. 8, F. A. P. 63, Lucas Co., to J. H. Miller, Monroe, $27,287, 4.592 mi. Loveland-Harrison Co. line Rd., P. R. P. 6, F. A. P. 280-A, Pottawattamie Co., to E. J. Wilson, Omaha, Neb., $20,971, 0.419 mi. P. R. P. 1, F. A. P. 265, Warren Co., to J. Stark & Co., Des Moines, $5,523, and 0.5 mi. road at State Juvenile Home, at Toledo, State Project 10, to Harris & McCoy, Tama, $1,846. Grand total $165,233. Noted Apr. 1.

Ia., Anamosa—Jones Co., to Lamoreaux Bros., Peters Trust Bldg., Omaha, Neb., grading 7.112 mi. road north and south of Olin, 133,830 cu.yd. excav. at $0.[illegible] per cu.yd., 1,075 cu.yd. solid rock excav. $2, and 922 cu.yd. loose rock excav. $1. Noted Mar. 25.

Ia., Cedar Rapids — Grading, curbing, guttering and 7 in. concrete paving 6,472 sq.yd. Bowling St., to Hahn Constr. Co., 12th Ave. and South 10th St., $22,571. Noted Mar. 4.

Ia., Cedar Rapids—For 2 in. asphaltic concrete resurfacing 30,200 sq.yd. various streets, to Ford Paving Co., 210 2nd Ave., $41,035. Noted Mar. 18.

Ia., Des Moines—Brick on present concrete asphalt filler resurfacing 25,397 sq.yd. various streets, to Wright Constr. Co., 211 Flynn Blk., $48,000.

Ia., Dubuque — Auditor Dubuque Co., gravel surfacing 22.825 mi. Cascade-Dubuque Rd., 11 mi., to Uhlrich-Paley Co., Dubuque, $31,000; and balance, to Inter-State Constr. Co., Swea City, $32,000. Noted Mar. 25.

Ia., Logan — Harrison Co., grading Federal Aid Project 138, 329, 607 cu.yd. excav., 210,170 sta.yd. overhaul, etc., to G. W. Condon, 514 Federal Reserve Bldg., Omaha, Neb., $48,000. Noted Mar. 25.

Ia., New Sharon—Grading, curbing and asphaltic concrete paving 11 blocks various streets, to Western Asphalt Paving Co., 1st and Nebraska Sts., Sioux City, at $2.04 per sq.yd. Noted Feb. 4.

Ia., Pleasantville—Grading, curbing and 2½ in. brick on concrete paving 6,000 sq.yd. streets in business district, to Amodeo Paving Co., 1420 Woodland St., Des Moines. Noted Sept. 17.

Ia., Rockwell City—Auditor Calhoun Co., gravel surfacing 17 mi. various roads, to A. R. Eno, Havelock. Noted Mar. 25.

Ia., Waukon — Allamakee Co., crushed stone surfacing, etc. 13,979 cu.yd. Federal Aid Project 170, to G. E. Sargent Co., Hampton, $29,883.

Minn., St. Paul—A. E. Eggert, city purch. agt., concrete paving Hamline Ave. between Hewitt and University Aves., and oil asphalt paving Burr St. between Collins and Jenks Sts., to Hanlon & Okes, 1501 Merchants Natl. Bank Bldg., $32,642 and $37,643 respectively. Noted Apr. 15.

Minn., Winona — G. W. Hofmann, city recdr., brick on concrete paving, etc. 12 blocks various streets, to Hanlon & Okes, 1501 Merchants Bank Bldg., St. Paul, $41,000.

Kan., Herington—For 3 in. vertical fibre brick on 5 in. concrete paving and highway section on East Trapp St., to Tripp, Geiger & Rutherford, Herington $44,463. Noted Feb. 4.

Kan., Hoxie—Sheridan Co., grading, etc., 2.424 mi. Federal Aid Project 318-A, to E. M. King, Hill City, $11,360; culverts to Northwestern Constr. Co., Hoxie, $4,944; and bridges, to C. Beardsley, Lebanon, $17,271. Grand total $33,575. Noted Mar. 11.

Kan., Independence — Montgomery Co. will surface with bituminous macadam 1.191 mi. Havana-Niotaze Rd., 18 ft., by day labor. H. K. Hibbard, Independence, engr. Noted Mar. 4.

Kan., Iola—Iola Co., concrete surfacing, etc., 4.036 mi. Federal Aid Project 328-A, also bridges on same road, to Thogmartin & Sons, Ft. Scott, $115,197 and $4,702 respectively. Noted Mar. 4.

Kan., Larned—Clerk Pawnee Co., sand clay surfacing 7.918 mi. Federal Aid Project 295-A, to J. W. Gaston, Larned, $34,109; culverts on same road, to Shuss & Henderson, Larned, $7,852. Noted Mar. 4.

Kan., Newton—Harvey Co., grading and concrete paving 42,800 sq.yd. Federal Aid Project 329-A, to Luttjohann Bros. & Phillips, Topeka, $103,784. Noted Mar. 18.

Kan., Oskaloosa—Jefferson Co., concrete paving 6.948 mi. Federal Aid Project 227-A, and 0.506 mi. Federal Aid Project 229-A, to Amer. Paving Corp., 1325 Grace St., Omaha, Neb., $171,603 and $13,903 respectively. Noted Mar. 4.

Kan., Ottawa — Franklin Co., to A. L. Cook, Ottawa, grading 5.057 mi. Federal Aid Project 280-C $21,506, 5.891 mi. Sect. D same project $9,610, and 9.316 mi. Sects.

Streets and Roads (Continued)

D and E, Federal Aid Project 289 $60,121; to Silven Constr. Co., Osage, culverts on Sect. C, Federal Aid Project 280 $6,941, on Sect. D same project $8,121, on Sects. D and E, Federal Aid Project 289 $14,917; to Tucker & Lewis, Ottawa, bridges on Sect. C, Federal Aid Project 280 $2,019. Grand total $123,235. Noted Mar. 4.

Nebraska—Dept. Pub. Wks., State House, Lincoln, **(F. A. P. means Federal Aid Project)**, to E. Bowker, Kearney, 2 in. gravel surfacing 2.7 mi. Minden-Newark Rd., F. A. P. 196, Kearney Co. $3,502, and 0.8 mi. same road, F. A. P. 283-A, $721, to Yant Constr. Co., 905 Omaha Natl. Bank Bldg., Omaha, 0.521 mi. Orleans-Oxford Rd., F. A. P. 240A, $1,312, 3.4 mi. Alma-Orleans Rd., F. A. P. 71, $6,614, 3 mi. same road, F. A. P. 71-D $5,565, all in Harlan Co.; to E. W. Kolterman, 1805 Dodge St., Omaha, grading 13 mi. Ravenna-Grand Island Rd., F. A. P. 276-B, Buffalo Co. $17,754, 7.4 mi. Doane-Parks Rd., F. A. P. 74-A, Dundy Co. $14,686, to A. C. Lund, Kearney, 21.6 mi. D. L. D., F. A. P. 7-C, Adams Co. $38,643, to Dundy County, Beneckleman, 1.5 mi. Max-Doane Rd., F. A. P. 41-B, Dundy Co. $2,835, to Stevens Bros., St. Paul, Minn., 7.4 mi. Doane-Parks Rd., F. A. P. 74-A, Dundy Co., $12,427; to Koehler Lumber & Coal Co., Sterling, 3 in. gravel surfacing 10 mi. Hebron-Nelson Rd., F. A. P. 164-B, $29,174, and 4 mi. same road F. A. P. 164-C, $11,793, both in Nuckolls Co., to Allied Contractors, Inc., 1803 Douglas St., Omaha, 0.5 mi. Kearney-Pleasanton Rd., F. A. P. 73-B, Buffalo Co. $896, 13 mi. Ravenna-Grand Island Rd., F. A. P. 276-B, $36,866, corrugated culverts on same road $3,616, and constructing willow mattress, Niobrara Bridge, on F. A. P. 280-B, Knox Co., $4,792; to Artificial Stone Co., Bruning, guard rail on Ravenna-Grand Island Rd., F. A. P. 276-B, $2,614, on 2.7 mi. Niobrara-Monawi Rd., F. A. P. 280-C, Boyd Co. $2,433, and concrete culverts on 6.2 mi. Ord-Arcadia Rd., F. A. P. 193-B, Valley Co., $6,776; to R. Cuming, Kearney, grading 0.8 mi. Kearney-Newark Rd., F. A. P. 283-A, Kearney Co. $2,740, to Paterson, Shirley & Gunther, 1411 W. O. W. Bldg., Omaha, 13.6 mi. Bartlett-Spalding Rd., F. A. P. 59-A, Wheeler Co., $62,488; and to Bump Constr. Co., Prairie View, Kan., grading, and corrugated culverts on 1.5 mi. Max-Doane Rd., F. A. P. 41-B, Dundy Co., $19,974. Grand total $288,221. Noted Feb. 4.

Nebraska—State Hy. Dept., Lincoln, **(F. A. P. means Federal Aid Project)**, to Yant Constr. Co., 905 Omaha Natl. Bank Bldg., Omaha, 3 in. gravel surfacing, etc., 11.2 mi. road from Blair north, F. A. P. 23, Washington Co. $29,246, 0.7 mi. Greenwood Rd., F. A. P. 107-E, $2,199, 3.7 mi. Auburn-Johnson Rd., F. A. P. 116-A, Nemaha Co. $9,282, 2 mi. road from Eagle west, F. A. P. 133-C, $5,243, and 6.5 mi. Eagle-Elmwood Rd., F. A. P. 153-A, $17,206, all foregoing Cass Co., to Dobson & Robinson, Lincoln, 12 mi. Homer-Walthill Rd., F. A. P. 49-C, Thurston Co. $30,463, to Allied Constr. Co., Inc., 1803 Douglas St., Omaha, 3 mi. Milford-Dorchester Rd., F. A. P. 55-A and B, $8,781, 5 mi. Friend-Exeter Rd., F. A. P. 55-C, $15,219, all in Saline Co., 0.1 mi. Pawnee City Rd., F. A. P. 97-B, Pawnee Co. $2,920, and to Abel Constr. Co., 318 Terminal Bldg., Lincoln, 9.7 mi. Syracuse-Palmyra Rd., F. A. P. 133-F, Otoe Co. $32,-164, to Central Bridge & Constr. Co., Wahoo, grading, 2 in. gravel surfacing, etc., 1 mi. Ceresco-Cutoff Rd., F. A. P. 27-C, Sanders Co. $12,214, and 8.2 mi. Wahoo-Yutan Rd., F. A. P. 235-C, Saunders Co. $18,590; to Peterson, Shirley & Gunther, 1411 W. O. W. Bldg., Omaha, grading, 6.7 mi. Yankton Bridge-Fordyce Rd., F. A. P. 72-C, Cedar Co. $25,029, to J. W. Wachtler, 5642 Jones St., Omaha, 9.7 mi. Syracuse-Palmyra Rd., F. A. P. 133-F, Otoe Co. $25,-873, 12.46 mi. Fairbury-Western Rd., F. A. P. 247-A, Jefferson Co. $27,301, and 5.1 mi. Union-Elmwood Rd., F. A. P. 256-A, Cass Co. $17,448, to G. W. Condon, 514 Federal Reserve Bank Bldg., Omaha, 8.4 mi. Milford-Dorchester Rd., F. A. P. 134-B, Seward Co. $18,322, and to D. C. Condon, 5412 Florence Blvd., Omaha, 12.9 mi. Fremont-Hooper Rd., F. A. P. 263-B, Dodge Co., $16,233; to Thiesen Bros. & Estel, Osmond, grading 14.7 mi. F. A. P. 268-A, Pierce Co. $27,917, and 7.5 mi. F. A. P. 270-A, Dixon Co. $23,443; to Metz Constr. Co., Springfield, guard rail on 8.4 Milford-Dorchester Rd., F. A. P. 134-B, Seward Co. $2,714, 12.46 mi. Fairbury-Western Rd., F. A. P. 247-A, Jefferson Co. $4,434, 12.9 mi. Fremont-Hooper Rd., F. A. P. 263-B, Dodge Co. $3,013, culverts and guard rail 9.7 mi. Syracuse-Palmyra Rd., F. A. P. 133-F, Otoe Co. $10,008, and culverts on 7.5 mi. Waterbury-Allen Rd., F. A. P. 270-A, Dixon Co. $16,850, and 5.1 mi. Union-Elmwood Rd., F. A. P. 256-A, Cass Co. $6,386; to Interstate Constr. Co., Fairbury, bridges and corrugated culverts on 12.46 mi. Fairbury-Western Rd., F. A. P. 247-A, Jefferson Co. $10,154, and 11.9 mi. Chester-Hebron Rd., F. A. P. 241-A, Thayer Co. $6,391, also bridge on same road $5,535; to Standard Bridge Co., 1302 City Natl. Bank Bldg., Omaha, 1 bridge on F. A. P. 134-B, Seward Co. $4,350, 3 bridges on F. A. P. 263-B, Dodge Co. $14,875, and 2 on F. A. P. 270-A, Dixon Co. $8,296; to Nebraska Constr. Co., Lincoln, 4 bridges on F. A. P. 268-A, Pierce Co. $14,202. Grand total $515,106. Noted Feb. 4.

Neb., McCook—Warrenite bitulithic paving 55,143 sq.yd. various streets, to Allied Contractors, Inc., 1803 Douglas St., Omaha, at $2.34 per sq.yd.

North Dakota — State Hy. Comn., Bismarck, **(F. A. P. means Federal Aid Project)**, grading and concrete paving 15.026 mi. F.A.P. 288-A, Bottineau Co., to Schultz Bros., Bowbells, $56,737; grading 17.243 mi. F.A.P. 291-A, Benson Co., to Steig & Olson, Esmond, $42,562; grading, graveling, etc. 7.096 mi. F.A.P. 316, McLean Co., to Stanley Bros., St. Cloud, Minn., $21,061; concrete paving same road, to J. J. Rue & Sons, Bismarck $6,547; grading 11.75 mi. F.A.P. 317 McLean Co., to H. J. Hawley, Trail City, S. D., $35,564; and graveling 11.934 mi. F.A.P. 209, Sheridan Co., to Win Coman, Goodrich, $15,086. Grand total $177,557. Noted Mar. 18 and 25.

North Dakota — State Hy. Comn., Bismarck, grading, etc., 42.916 cu.yd. Federal Aid Project 311-B, Towner Co., to J. Coghlan, St. John, $27,000. Noted Mar. 18.

North Dakota—State Hy. Dept., Bismarck, improving Federal Aid Project 288-A, 88,-957 cu.yd. grading, etc., to Schultz Bros., Bowbells, $50,737; and 70,546 cu.yd. State Highway north and south from Westhope to Stevens Bros., 612 Endicott Bldg., St. Paul, Minn., $52,880. Noted Mar. 18.

Mo., Milan — J. T. Moorehead, city clk., City Hall, grading, vibrated concrete paving, etc. 8,040 sq.yd. 3rd St., to Hanibal Constr. Co., Hanibal, $26,229. Noted Mar. 18.

Mo., St. Louis — Grading, curbing, asphaltic concrete paving, etc. streets in Woodland Park Subdivision, to W. H. Smith-Nelson, Cunliff Co., 110 North 7th St. $40,000.

Mo., Unionville—C. B. Calhoun, city clk., City Hall, 6 in. vibrated concrete paving, etc. Grant, 7th, 16th, Main and 17th Sts., to Reed & Wheelock, Clay Center, Kan., $34,023. Noted Mar. 18.

Arkansas — State Hy. Dept., Little Rock, grading and double bituminous surfacing, etc. 55,367 sq.yd. Plumbersville-Springfield Rd., Federal Aid Project 79, to Mobley Constr. Co., Morrilton, $42,970; overhead crossing Missouri Pacific R.R. near Canaan, Federal Aid Project 191-D, Lee Co., to J. F. Mullins, 1818 Chestnut St., Pine Bluff, $10,052. Noted Mar. 25.

Ark., Osceola—Mississippi Co., warrenite on silica surfacing 18 mi. and gravel surfacing 17 mi. various roads in Osceola-Little River Rd. Dist. 1, to Southern Material & Constr. Co., Southern Trust Bldg., Little Rock, $770,000.

Texas — State Hy. Comn., H. Moseley, chn. Austin, double bituminous surface treatment on 8 in. macadam paving 14.23 mi. State Highway 72, Federal Aid Project 373-B, Unit 2, Lavaca Co., 18 ft., to Smith-Boyette Co., Bryan, $270,124. Engrs. est. $290,000. Noted Mar. 25.

Tex., Hereford—For 4 in. rein.-con. paving 40 blocks various streets, to Jordan Constr. Co., Plainview, approximately $53,-000. Noted Mar. 11.

Tex., Houston—Brick paving Harrisburg Blvd. from Preston Ave. Tunnel to Mely St., to Thurber Constr. Co., 401 Zindler Blvd., $67,844.

Tex., Houston—Harris Co., brick paving Harris Blvd. from Preston Ave. Tunnel to Melby St., to Thurber Constr. Co., 401 Zindler Bldg., $67,845. Engrs. est. $70,000.

Tex., Richmond—Fort Bend Co., 1 in. rock asphalt on 6 in. concrete paving 15.14 mi. State Highway 3, Federal Aid Project 326, Unit 2, to M. M. Craven & Son, Missouri City, $455,219. Engrs. est. $480,000.

Tex., San Antonio—Curbing and asphalt paving 10 blocks Buena Vista-Los Moras to Murray Sts., 35 ft., to Uvalde Rock asphalt Co., c/o Frost Natl. Bank Bldg., approximately $50,000; also 10 blocks Buena Vista-between Medina and Los Moras Sts., to Alamo Paving Co., 321 Dawson St., approximately $50,000.

Tex., Tyler—For 2½ in. brick on 4 in. concrete paving 14,718 sq.yd. various streets, to D. B. Taliaferro Constr. Co., Sherman, approximately $3.20 per sq.yd.

Okla., Lawton — Grading and concrete paving 11,000 sq.yd. 11th and 5th Sts., to Connelly Bros. Co., El Reno, $57,118. Engrs. est. $65,117.

Okla., Tulsa—City **(e. e. means engineers estimate)**, grading and concrete paving 24,-116 sq.yd. streets in Impvt. Dist. 700, to Tibbets & Pleasant, 209 North Nogales St., $74,924 e. e. $81,400, 12,850 sq.yd. Dist. 704 and grading and sheet asphalt paving 6,130 sq.yd. Dist. 703, to Standard Paving Co., 1732 East 3rd St., $41,951 and $34,127 respectively, e. e. $42,700 and $36,200 respectively, 9,810 sq.yd. Dist. 701 and 5,640 sq. yd. Dist. 702, to H. L. Cannaday, 1122 South Lewis St., $47,444 and $28,067 respectively, e. e. $49,500 and $30,000 respectively. Grand total $276,513.

Okla., Tulsa—For 7 in. concrete paving 19,881 sq.yd. Paving Dist. 74, to Tibbets & Pleasant, Inc., 229 North Nogales St., $74,930.

Idaho—State Hy. Comn., Boise City, bituminous concrete paving 9.481 mi. Yellowstone Park Highway, Bingham Co., to Gibbons & Reed Co., Kearns Bldg., Salt Lake City, Utah, $153,754.

Washington—State Hy. Comn., Olympia, rein.-con. paving, etc. 7.02 mi. State Rd. 1, Lewis Co., to Norris Bros., Burlington, $169,816; grading, etc. 3.5 mi. same road, to Hendricks & Olsen, Chehalis, $22,974; crushed rock surfacing, etc. 4,500 cu.yd. State Rd. 2, Douglas Co., to Chenault & Wagner, 331 Couch St., Portland, Ore., $7,605, 4,000 cu.yd. State Rd. 2, Grant and Lincoln Counties, to Triangle Constr. Co., 1220 Ide Ave., Spokane. $7,680; crushed gravel surfacing, etc. 4,200 cu.yd. State Rd. 10, Chelan Co., to Cole & Strong, Oroville, $4,830; concrete paving, etc. 49,000 sq.yd. Federal Aid Project 140-B, Walla Walla and Columbia Counties, to Clifton, Applegate & Toole, P. O. Box 162, Spokane, $122,-992; grading, etc. 116,300 cu.yd. State Rd. 3, Walla Walla Co., to H. C. Boyer, Ontario, Ore., $36,850. Grand total $372,747. Noted Mar. 25.

Washington—State Hy. Comn., Olympia **(S. R. means State Road)**, crushed rock surfacing, etc. Federal Aid Project 157-A, S.R. 3 north and south from Daxton, Columbia Co., to Myers & Goulter, 607 Cherry St., Port Angeles, $101,430, 8,000 cu.yd. S.R. 3, Stevens Co., to F. R. Hewett, 2415 Manito Blvd., Spokane $5,120, 8,210 cu.yd. S.R. 8, Klickitat and Yakima Counties, to Triangle Constr., Co., 1220 Ide Ave., Spokane $13,821, 13,000 cu.yd. S.R. 2, east and west from Davenport, and about 5 mi. S.R. 22 north from Davenport, Lincoln Co., to Payne & Doust, 405-406 Lindell Bldg., Spokane, $16,335; crushed gravel surfacing 5,000 cu.yd. S.R. 3, Benton Co., to Campbell Constr. Co., Sunnyside, $10,911; and concrete paving, etc. 60,000 sq.yd. S.R. 3, Benton Co., to J. H. Collins & Co., P. O. Box 56, Couer D'Alene, Idaho, $141,884. Grand total $289,501. Noted Mar. 18.

Wash., Tacoma — City Council, paving South G St. between 38th and 48th Sts., and 48th St. between G St. and Park Ave., to Galluci & Milone, Tacoma, $36,089. Engrs. est. $45,222.

Wash., Tacoma — Grading, gravel surfacing, etc., Portland Ave. L.I.D. 678, to Harrison Bros., 3651 East B St., $27,809.

Wash., Seattle — Improving Juneau St. et al., to F. Arcorace, 8423 48th Ave. S., $26,218. Noted Apr. 8.

Wash., Seattle—Bd. Pub. Wks., grading, etc. 35,000 sq.yd. Alaska St., to J. Otteson Co., 2523 32nd Ave. S., $29,555. Noted Apr. 15.

Oregon—State Hy. Comn., Olympia, grading, etc., 7.3 mi. Point Corvallis Sect. Corvallis-Newport Highway, Benton Co., 20 ft., to State Constr. Co., Albany, $36,439.

California—State Hy. Comn., Sacramento, grading, bituminous macadam paving, etc. at Chalk Hill, Los Angeles Co., to H. A. McCray, 129 West 2nd St., Los Angeles $44,518. Engrs. est. $57,960. Noted Apr. 1.

Calif., Los Angeles—Bd. Pub. Wks., grading, asphalt and concrete paving, etc., Isabel St., to R. Curtis Paving Co., Inc., 2440 East 26th St., $16,856; also sheet asphalt paving, etc., Wilmington Blvd. between S and B Sts., etc., to Thurston & McGovern, $93,229. Noted Apr. 8.

Calif., Los Angeles—Bd. Pub. Wks., grading, 6 and 8 in. concrete paving Radford Ave. between Clybourn and San Fernando Rd., to J. Martin, 789 Lyon St., $26,870. Noted Apr. 8.

Calif., Los Angeles — Los Angeles Co., curbing, guttering, walks and disintegrated granite paving portion of Alameda St., etc., Co. Impvt. 342, to J. M. Shull, Riverside, $35,535. Noted Apr. 8.

Calif., Palo Alto — Grading and paving California, Nevada, Cowper Sts., etc., to Warren Constr. Co., 28th and Poplar Sts., Oakland, $45,905. Noted Apr. 8.

Calif., San Diego—Common Council, concrete curbing, sidewalks, and 1½ in. asphaltic concrete on 4 in. concrete paving 114,912 sq.ft. Louisiana St. between El Cajon and Adams Aves., to G. R. Daley, 4430 Boundary St., $33,689. Noted Apr. 8.

Calif., Santa Monica — City Council, to Kneen Paving Co., Dudley Blk., improving Colorado Ave., 582,283 sq.ft. grading at

Streets and Roads (Continued)

$0.065 per sq.ft., 426,131 sq.ft. Warrenite bitulithic paving $0.199, etc. Noted Apr. 8.

B. C., West Vancouver—Bituminous concrete widening and 5 ft. sidewalks on 3 mi. Marine Dr., to Cotton Co., Ltd., False Creek Yards, Vancouver, $43,000. Noted Feb. 18.

Buildings—Commercial

Proposed Work

N. H., Rochester—STORE, OFFICE and APARTMENT—Rochester Realty Co., c/o Dow, Harlow & Kimball, archts., 184 Boylston St., Boston, Mass., having preliminary plans prepared 3 story and basement, brick and limestone store, office and apartment, incl. lighting plant. To exceed $150,000.

Mass., Arlington (br. Boston)—APARTMENT—Lockeland Apartment Trust, c/o W. A. Muller, 55 Kilby St., Boston, having sketches made by Gay & Proctor, 284 Boylston St., Boston, (2 units) 3 story and basement, brick, Massachusetts Ave. $250,000.

Mass., Boston—APARTMENT—H. F. Esterbrook, 352 Harvard St., Cambridge, having sketches made by G. N. Jacobs, 4 Park St., 9 or 10 story and basement, brick, steel and concrete, 264 Beacon St. To exceed $150,000.

Mass., Boston — FIRE STATION — City, Fire Dept., 60 Bristol St., having revised plans prepared by J. M. Gray, 175 High St., 3 story, brick, limestone and granite, plain foundation, Bway., Shawmut Ave. and Warrenton St. $345,000.

Mass., Boston—OFFICE, etc.—Fort Point Building Trust, c/o M. C. Burton, 1 Federal St., having sketches made by Blackall, Clapp & Whittemore, 31 West St., 13 story, 160 x 235 ft., brick, steel and concrete, office and light manufacturing building, Congress St. and Fort Point Channell. $2,000,000.

Mass., Boston—STORE and OFFICE—Carlin & Cherney, 333 Washington St., Boston, having sketches made by G. N. Jacobs, 4 Park St., 9 story and basement, 60 x 75 ft., brick, concrete and steel, 39-49 Portland St. $200,000.

Mass., Fall River—OFFICE and STORE—M. T. Hudner, 180 South Main St., having plans prepared by E. Marvel, 209 Bedford St., brick and steel, South Main St. $200,000.

Mass., Greenfield—HOSPITAL—Franklin Co. Pub. Hospital, c/o Kendall, Taylor & Co., archts., 142 Berkley St., Boston, having preliminary plans prepared 3 story and basement, brick and stone, plain foundation, High St., here. $150,000 or more.

Mass., Marlboro—STORE and OFFICE—S. A. Singer, 333 Washington St., Boston, having sketches made by F. A. Norcross, 46 Cornhill, Boston, 3 story and basement, brick plain foundation, 175-177 Main St. $165,000.

Conn., Hartford — ADMINISTRATION—Hartford Gas Light Co., E. E. Eysenbach, vice-pres. and genl. mgr. plans brick administration building, on 90 x 92 ft. site, Pearl St. $250,000.

Conn., Meriden — TEMPLE — Masonic Temple, H. Wales Lines, Building Com., having plans prepared by W. Arnold, 34½ West Main St., 3 story, 70 x 100 ft., brick, steel and stone or marble, East Main St. $200,000.

Conn., New Britain—APARTMENT—G. Ratner, 42 Church St., New Haven, plans 3 story, brick and steel, West Main and Vine Sts., here. $150,000. Engineer and architect not selected.

Conn., New Britain—THEATRE—G. Ratner, 42 Church St., New Haven, plans 1 or 2 story, 150 x 180 ft., brick and steel, Broad and Washington Sts., here. $250,000. Engineer and architect not selected.

Conn., New Haven — HOTEL and OFFICE—Syndicate, c/o S. Z. Poli, 24 Church St., having preliminary plans prepared by G. B. Post & Sons, 101 Park Ave., New York City, N. Y., brick, Congress Ave. $350,000.

Conn., Waterbury — COURT HOUSE — New Haven Co. plans election $100,000 bonds, purchase site and construct court house addition, Kendrick Ave. and Leavenworth St. Engineer and architect not selected.

N. Y., Albany—OFFICE—State Dept. having estimates made by S. Jones, Capitol, 21 story, office, Swan St. between Washington and State Sts.

N. Y., Buffalo—THEATRE—Hotel Statler, Delaware Ave., having plans prepared by Warren & Wetmore, engrs. and archts., 16 East 47th St., New York City, 4 story, brick and stone, plain foundation, Delaware Ave. $700,000.

N. Y., Mt. Vernon — APARTMENT — Lerner Store Corp., c/o C. N. Whinston & Bros., engrs. and archts. 2 Columbus Circle, New York City, having plans prepared 4 story, brick, steel and stone, plain foundation, North 4th Ave., here. $150,000.

N. Y., New York — APARTMENT — A. Antini, c/o Moore & Landseidel, engrs. and archts., 148th St. and 3rd Ave., having plans prepared 7 story brick, steel and stone, plain foundation, Westchester Ave. $250,000.

N. Y., New York — APARTMENT — L. Brill & Son, c/o C. S. Clark, engr. and archt., 443 East Tremont Ave., having plans prepared brick, steel and stone, plain foundation, Anthony Ave. $150,000.

N. Y., New York — APARTMENT — J. Axelrod & Son, 234 West 74th St., having plans prepared by G. F. Pelham, Inc., engrs. and archts., 200 West 72nd St., 15 story, 89 x 102 ft., brick, steel and stone, plain foundation, 11 West 65th St. $1,500,000.

N. Y., New York—APARTMENT—Bobmill Holding Co., c/o Bates & Franklin, engrs. and archts., 645 East Tremont Ave., having plans prepared 5 story, brick, steel and stone, plain foundation, Post Ave. $180,000.

N. Y., New York — APARTMENT — Imasto Holding Corp., c/o Bates & Franklin, engrs. and archts., 645 East Tremont Ave., having plans prepared 6 story, brick, steel and stone, plain foundation, 611-619 Academy St. $175,000.

N. Y., New York—LOFT—P. Glickman, c/o Shampan & Shampan, engrs. and archts., 188 Montague St., Brooklyn, having plans prepared 20 story, brick, steel and stone, plain foundation, West 28th St. $1,200,000.

N. Y., New York—LOFT—One Nineteen Fourth Avenue Corp., c/o M. Haefeli, engr. and archt., Grand Central Terminal Bldg., having plans prepared brick, steel and stone, plain foundation, 29th St. and 4th Ave. $1,200,000.

N. Y., New York — OFFICE — F. A. Fitzgerald, c/o Buchman & Kahn, engrs. and archts., 49 West 45th St., having plans prepared 23 story, brick, steel and stone, plain foundation, Bway. and 37th St. $1,900,000.

N. Y., New York — OFFICE — Two Hundred Forty-Seven West 30th St. Realty Co., Inc., c/o G. and E. Blum, engrs. and archts., 505 5th Ave., having plans prepared 16 story, brick, steel and stone, plain foundation, 247 West 30th St. $400,000.

N. Y., Rochester — THEATRE, etc. — Greater Rochester Properties, Inc., Lafayette Bldg., Buffalo, having plans prepared by L. Lempert, Mercantile Bldg., theatre, store and office building, South Clinton and Court Sts. $1,125,000.

N. J., Asbury Park—THEATRE—Walter Reade, 112 West 34th St., New York City, plans rebuilding theatre, Main St., recently destroyed by fire. $1,000,000. Engineer and architect not selected.

N. J., Jersey City—BANK and OFFICE—Labor Bank, c/o J. T. Rowland, engr. and archt., 100 Sip Ave., having plans prepared 14 story, 40 x 90 ft., brick, steel and stone, plain foundation, Enos Pl. and Sip Ave.

N. J., Jersey City—HOSPITAL—Christ Hospital, 176 Palisade Ave., having plans prepared by J. T. Rowland, engr. and archt., 100 Sip Ave., brick, steel and stone addition, plain foundation, Palisade Ave. $500,000.

N. J., Newark—HOTEL, THEATRE and ARENA — Newark Arena & Amusement Corp., c/o J. W. Franklin Co., 80 Wall St., New York City, having plans prepared by Nathan Harris, engr. and archt., 20 Granford Pl., brick, steel and stone, with swimming pool, etc., Market Plaza, here. $5,000,000.

Pa., Phila.—RESTAURANT and OFFICE—Horn & Hardart, 214 South 10th St., having plans prepared by R. Benckert, Bellevue Court Bldg., 3 story, basement and sub-basement, 33 x 130 ft., rein.-con., brick and limestone, plain foundation, 217-19 South Broad St. $200,000.

N. C., Winston-Salem—GARAGE—W. N. Reynolds & R. E. Lassiter, soon take bids 4 story, 160 x 200 ft., rein.-con., North Main St. $300,000.

Fla., Lakeland — OFFICE — Lakeland Real Estate Bd., purchased site and plans 8 story office building. $500,000.

Miss., Pascagoula—HOTEL—J. R. Watts, et al, having plans prepared by Shrouds & Stoner, Gulfport, 7 story hotel.

O., Wooster — HOSPITAL — Wooster College, soon takes bids 2 story and basement hospital, on campus. $150,000.

O., Youngstown — HOSPITAL — City, takes bids about May 1, 4 story and basement, brick and steel addition. $150,000. B. E. Brooke, Youngstown, archt.

Ind., Evansville — HOSPITAL — Bd. Trustees Southern Hospital for Insane having plans prepared by Shopbell, Fowler & Thole, Evansville, for Woodmere Hospital, brick, steel and rein.-con. $300,000.

Ind., Indianapolis — APARTMENT — Maple Road Development Co., has plans prepared by Pierre & Wright, 1130 Hume Mansur Bldg., 3 story and basement, brick and rein.-con., Maple Rd. between Washington Blvd. and New Jersey St. $200,000.

Ind., Lafayette — ARMORY — Indiana Natl. Guard having plans prepared by Harrison & Turnock, 500 Bd. Trade Bldg., Indianapolis, 2 story and basement, 100 x 160 ft., brick and steel armory. $150,000.

Ind., South Bend — HOSPITAL — Comrs. Saint Joseph Co., C. B. Sedwick, auditor, had plans prepared by Austin & Shambleau, 111 North Lafayette St., brick and steel hospital. $150,000.

Mich., Birmingham—THEATRE—Bloomfield Center, W. T. Barbour, R. F. D. 3, had plans prepared by J. P. McDonnel, Birmingham, 3 story and part basement, 100 x 200 ft., rein.-con. and brick theatre and community center, Woodward Ave. $150,000.

Mich., Detroit—APARTMENT HOTEL—A. N. Collins, 38 Martin Pl., had plans prepared by J. Kasurin, 502 Empire Bldg., 21 story and basement, rein.-con., brick and steel, plain foundation, Martin Pl., with subway entrance to Woodward Ave. $1,500,000.

Mich., Detroit—CLUB HOUSE—National Town & Country Club, J. K. Watkins, chn., 1301 Ford Bldg., having plans prepared by Smith, Hinchman & Grylls, 800 Marquette Bldg., 17 story and basement, rein.-con., brick and steel, plain foundation, Bagley and 1st Sts. $4,000,000.

Mich., Fordson—THEATRE—Kohner & Payne, 1402 Kresge Bldg., Detroit, take bids about Apr. 24, 4 story and basement, rein.-con., brick and steel, plain foundation, Schaefer Rd., here, for Allan Realty Co. $275,000.

Ill., Chicago — APARTMENT—Koenigsberg & Weisfeld, archts., 155 North Clark St., made plans and soon take bids 6 story and basement, 50 x 150 ft., rein.-con., brick and terra cotta, 5648 Kenmore Ave., for S. Cherman, 4844 Drake Ave. $285,000.

Ill., Chicago — BANK and OFFICE — State Bank of Chicago having preliminary plans prepared by Graham, Anderson, Probst & White, 80 East Jackson Blvd., 22 story, 187½ x 188 ft. bank and office building, 108 South La Salle St.

Ill., Chicago — BANK and OFFICE — Mundie & Jensen, archts., 39 South La Salle St., soon lets contract 2 story and basement, 111 x 120 ft., brick and stone, Central Park, Milwaukee and Oakdale Aves., for 2nd Northwestern State Bank, Central Park, Milwaukee and Oakdale Aves.

Ill., Chicago—CLUB—North West Lyons Club, c/o Shattuck & Layer, Archts., 19 South La Salle St., having plans prepared 4 story and basement, 125 x 134 ft., brick and terra cotta, incl. gymnasium, swimming pool, etc., West North Ave. and Kildare St. $700,000.

Ill., Chicago — FIRE STATION — Voted $1,500,000 bonds, fire stations.

Ill., Chicago—HOTEL—M. Horwitz, 560 West North Ave., purchased 76¼ x 100 x 150 ft. site and plans hotel, Grace St. and Pine Grove Ave. Engineer and architect not selected.

Ill., Chicago—OFFICE and SALES—Gardener & Lindberg, archts., 140 South Dearborn St., preparing plans and take bids about Apr. 19, 3 story and basement, 85 x 110 ft., rein.-con. and brick, 1243-49 West Washington Blvd., for Creamery Package Mfg. Co., 61 West Kinzie St.

Ill., Chicago—OFFICE and STORE—E. Jackson, et al, 608 South Dearborn St., having plans prepared by D. H. Burnham & Co., 160 North La Salle St., 23 and 41 story, 2 sub-basements, 141 x 204 ft., rein.-con., brick, steel and terra cotta, Adams and South Clark Sts. $6,063,466.

Ill., Peoria — COLISEUM — Defeated $1,000,000 bonds, for coliseum. Noted Feb. 4.

Ill., Springfield—BANK and OFFICE—Ridgeley-Farmers State Bank, 5th and Monroe Sts., takes bids about July 1, remodeling and constructing rein.-con., brick and stone addition. $200,000. Weary & Alford Co., 1923 Calumet Ave., Chicago, Ill., archts.

Wisconsin—HOSPITALS—Milwaukee Co. (Milwaukee) c/o W. L. Coffey, mgr. County Institutions, Wauwatosa, having plans prepared by Van Ryn & De Gelleke, 114 Grand Ave., and Armstrong & De Gelleke, associated archts., 122 East 25th St., New York City, N. Y., 568 bed hospital, Grand Ave., Wauwatosa, $1,100,000; and 50 bed dispensary, 25th and Grand Ave., Milwaukee, $500,000. Noted Feb. 25.

Wis., Hurley — HOTEL and STORE — E. S. Hagen, c/o Iron Exch. Bank, plans 3 or 4 story, brick and concrete, plain foundation. $150,000. Engineer and architect not selected.

Buildings—Commercial (Continued)

Wis., Madison — STORE and APARTMENT—Hiles Stores, Inc., 202 State St., plans 4 story and basement, rein.-con., brick and steel store and apartment building, $200,000. Engineer and architect not selected.

Wis., Milwaukee—HOTEL and STORE—O. Brachman, 530 Grand Ave., having preliminary plans prepared by M. Tullgren & Sons, 9 Waverly Pl., 4 story and basement, 102 x 140 ft., brick and concrete, plain foundation, Mitchell St. $500,000.

Wis., Milwaukee — THEATRE—Colonial Amusement Co., 984 Sherman Blvd., having revised plans prepared by Dick & Bauer, 811 State St., 2 story and basement, brick, concrete and terra cotta, 15th and Vliet Sts. $200,000. Noted Jan. 14.

Wis., Richland Center—HOTEL—Lake City Finance Co., c/o P. F. Hunter, Madison, having plans prepared by E. Tough, Washington Bldg., Madison, 4 story and basement; 60 x 150 ft., brick, rein.-con. and steel, here.

Ia., Cedar Rapids—HOTEL—H. B. Beidler, archt., 936 North Michigan Ave., Chicago, Ill., preparing plans and takes bids in May or June, 12 story, rein.-con., brick, steel and terra cotta, 1st Ave., here, for Edith Rockefeller McCormick, c/o Krenn & Doto, 936 North Michigan Ave., Chicago, Ill. $1,250,000.

Mo., Joplin — OFFICE — Empire Dist. Electric Co. takes bids probably in June, 4 story and basement, 50 x 120 ft., rein.-con., brick and stone, 6th and Joplin Sts. Smith & Van Pelt, 819 Frisco Bldg., St. Louis, engr.

Mo., Kansas City—WAREHOUSE—Kellogg-MacKay Co., 21st and Walnut Sts., having plans prepared by J. C. Sunderland, 406 Interstate Bldg., 5 story and basement, 75 x 104 ft., brick and steel warehouse. To exceed $150,000.

Mo., St. Louis—CLUB HOUSE, etc.—See "Unclassified."

Mo., St. Louis—HOSPITAL—Evangelical Deaconess Home and Hospital, 4215 West Belle Pl., F. P. Jens, supt., having preliminary plans prepared by T. P. Barnett Co., Arcade Bldg., 4 and 6 story and basement, rein.-on., brick and stone, Oakland Ave. near Clayton Ave. $500,000.

Mo., St. Louis—OFFICE, etc.—Amer. Pharmaceutical Assn., E. S. Sater, University of Minnesota, making preliminary plans 10 or more story, rein.-con., brick, steel and stone office building, etc. $1,000,000.

Ark., Hot Springs — HOTEL — Majestic Hotel Co., H. A. Jones, mgr., soon takes bids 6 story, brick, stone, steel and rein.-con., Park and Central Aves. $650,000. Sanders & Ginocchio, 203 Hall Bldg., Little Rock, archts.

Ark., Little Rock—HOTEL—W. N. Young Hotel Co., R. Young, vice pres. and secy., takes bids in summer 15 story and basement, brick and rein.-con., Markham and Main Sts. $880,000. Wittenberg & Delony, 408 Home Life Bldg., archt. Noted Sept. 3.

Tex., Beaumont—OFFICE—Gulf Coast Security & Realty Co., c/o J. S. Edwards, secy., having tentative plans prepared 10 story and basement rein.-con., brick and stone, plain foundation, Park and Fannin Sts. $500,000. Private plans.

Tex., Houston — FREIGHT DEPOT and WAREHOUSE — Missouri, Kansas & Texas R.R., F. Ringer, ch. engr. Ry. Exch. Bldg., St. Louis, Mo., having revised plans prepared 6 story, 191 x 280 ft., and 53 x 220 ft. rein.-con. and brick freight depot and warehouse, with 5 track switch tracks, here. $1,000,000. Noted Apr. 15.

Tex., San Benito—HOTEL—San Benito Community Hotel Co., c/o E. Downs, pres. Bd. Directors, takes bids after Apr. 25, 2 or 3 story, 80 x 140 ft., rein.-con., brick, stone and tile, plain foundation, $175,000. H. P. Smith, c/o Natl. Bank of Commerce Bldg., San Antonio, archt. Noted Mar. 25.

Tex., Victoria — HOTEL — Baker Hotel Co., c/o T. B. Baker, Gunter Hotel, San Antonio, having preliminary plans prepared by H. S. Green, c/o Alamo Natl. Bank Bldg., San Antonio, 7 story and basement, rein.-con., brick or tile, plain foundation. $500,000.

Tex., Weslaco—HOTEL—C. A. Sheffield, Dallas, having plans prepared by Stebbins & Waters, Weslaco, 5 story, basement, and roof garden, rein.-con., plain foundation, here. $200,000.

Colo., Denver — HOTEL — P. A. Zang, Park Lane Properties, 320 Amer. Natl. Bank Bldg., having plans prepared by Hooper & Jarnseh, 879 North State St., Chicago, Ill., and opens bids about May 1, 11 story, 1,600,000 cu.ft. floor space, brick, stone and steel, 454 South Marion St. $1,100,000.

Ariz., Yuma — STORE and HOTEL — Molina Estate having preliminary plans prepared by Walker & Eisen, 701 Great Republic Life Bldg., Los Angeles, Calif., 4 story and basement, 100 x 190 ft., brick, Yuma St. $235,000. W. R. Conway, proprietor Barbara Worth Hotel, El Centro, Calif., operates above.

Ore., Portland—APARTMENT HOTEL—C. A. Houghtaling, archt., Gearing Bldg., prepared plans 8 story apartment hotel, 19th St. between Flanders and Glison Sts. $1,400,000. Owner's name withheld.

Ore., Portland — TERMINAL SALES — Mead Estate, having plans prepared by A. E. Doyle, Worcester Bldg., new terminal sales building. $400,000.

Ore., Portland — THEATRE — Famous Players-Lasky Corp., c/o L. Thomas, archt., U. S. Natl. Bank Bldg., having plans prepared 2 story, 200 x 200 ft. theatre, Salmon, Bway., Park and Main Sts. $1,000,000.

Calif., Berkeley — HOSPITAL — Medical Properties Co., c/o F. H. Reimers, archt., Tribune Tower Bldg., Oakland, having plans prepared (1st unit) 5 story and basement, rein.-con. hospital. $450,000.

Calif., Berkeley—STORE—J. F. Hink & Son, Shattuck Ave. and Kittredge St., having plans prepared by J. W. Plachek, Mercantile Bank Bldg., 1 story, rein.-con. addition, Shattuck Ave. and Kittredge St. $150,000.

Calif., Culver City — CLUB HOUSE and THEATRE — Artland Club, Los Angeles, having plans prepared by Allison & Allison, Hibernian Bldg., Los Angeles, club, near here. To exceed $150,000.

Calif., Fresno — LODGE, STORE and CLUB—Fraternal Order of Eagles, having plans prepared by Swartz & Ryland, Rowell Bldg., 3 story and basement, fireproof lodge, store and clubhouse. $150,000.

Calif., Los Angeles — APARTMENT — S. C. Lee, archt., Petroleum Securities Bldg., preparing preliminary plans 6 story and basement, 60 x 130 ft., rein-con., Leeward Ave. $200,000 or more. Owner's name withheld.

Calif., Los Angeles—THEATRE, STORE and OFFICE—L. O. Macloon, had plans prepared by L. A. Smith, Film Exch. Bldg., 3 story, 44 x 120 ft. theatre, and 44 x 144 ft. store and office, 736-46 South Figueroa St. $150,000.

Calif., Oakland — WAREHOUSE — Parr Terminal Co., 1 Drumm St., San Francisco, having plans prepared 1 story, 125 x 450 ft. slow burning-mill or concrete, Parr Terminal. $150,000. Merrill & Co., 1 Drumm St., San Francisco, engrs.

Calif., San Francisco—APARTMENT—T. Donohoe, 396 Hayes St., had plans prepared by J. C. Hladik, Monadnock Bldg., 4 story and basement, rein.-con., Gough and Oak Sts. $150,000.

Calif., San Francisco—APARTMENT—R. J. Stempel, 825 Monadnock Bldg., had plans prepared by J. C. Hladik, Monadnock Bldg., 6 story and basement, rein.-con., Oak and Laguna Sts. $175,000.

Calif., San Francisco—HOTEL—L. Heilmann, c/o Fabre & Hildebrand, archts., 110 Sutter St., had plans prepared 4 story and basement, steel and rein.-con., Jackson and Stockton Sts. $150,000.

Que., Shawinigan Falls—HOSPITAL—City and Provincial Government Quebec, plans hospital, to be operated by Grey Nuns, Montreal. $250,000. J. H. Valiquet, Shawinigan Falls, engr. Archt. not selected.

Ont., Toronto — APARTMENT — S. B. Coon & Son, 4 St. Thomas St., plan 3 or 4 story, 24 suite, rein.-con., brick and steel, plain foundation, Sultan St. $150,000. Private plans.

Ont., Toronto — HOSPITAL—Orthopedic Hospital, H. G. Staunton, pres., 100 Bloor St. W., plans 3 story and basement, rein.-con., brick and steel addition, Bloor St. W. $175,000. Engineer and architect not selected.

Bids Desired

New Hampshire—ARMORIES—Apr. 29, by State, State House, Concord, altering 2 story and basement, 62 x 91 ft. armory at Keene, and 88 x 115 ft. armory at Berlin, both brick and stone. To exceed $150,000. Butterfield-Guertin Co., 801 Beach St., Manchester, archts.

Mass., Boston—HOSPITAL—Apr. 30, by Densmore, LeClear & Robbins, archts., Park Sq. Bldg., 7 story and basement, service and operating building, 3 story and basement power house, and 1 story garage, all brick, stone and steel, for Beth Israel Hospital, Brookline Ave. $1,000,000.

Mass., Boston — STORE and SALESROOM, etc. — Two Hundred Forty-five to Two Hundred Fifty-one Tremont St., Inc., c/o Blackall, Clapp & Whittemore, archts., 20 Beacon St., taking bids 2 story and basement, 80 x 100 ft., brick and stone store, salesroom and bowling alleys, plain foundation, 245-251 Tremont St. To exceed $150,000.

Mass., Dedham—THEATRE, STORE and OFFICE—See "Contracts Awarded."

Mass., Hyannis — HOTEL — See "Contracts Awarded."

Mass., Hyannis—MUNICIPAL—Apr. 26, by Town, C. M. Chase, clk., 2 story and basement, with two 1 story wings, brick and steel town hall. $150,000. J. W. Beal Sons, 185 Devonshire St., Boston, archts.

Mass., Medford (br. Boston)—APARTMENT—See "Contracts Awarded."

Mass., Peabody—CLUB—Salem Country Club, R. Lawson, chn., taking bids 2 story and basement, brick and stone, Sanders Farm. $150,000. G. Robb, 15 Exchange St., Boston, archt.

Mass., Roxbury (Boston P. O.) — APARTMENT—See "Contracts Awarded."

N. Y., Albany—BANK—Apr. 30, by Home Savings Bank, North Pearl St., brick, steel and stone, plain foundation, North Pearl St. $1,000,000. Dennison & Hirons, 288 Lexington Ave., New York City, engrs. and archts. Noted Feb. 18.

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New Rochelle — BATH HOUSE — May 10, at office Westchester Co. Park Comn., 72 Pondfield Rd., Bronxville, bath house, at Glen Islands Park, here. Contr. 58. J. Downer, ch. engr.; adv. E. N.-R. Apr. 22.

N. Y., Yonkers—THEATRE—See "Contracts Awarded."

N. J., Atlantic City — CONVENTION HALL — May 15, by Mayor and City Comrs., 350 x 650 ft., rein.-con., brick and steel, Broadwalk and Mississippi Ave. $5,000,000. Lockwood, Greene & Co., 24 Federal St., Boston, Mass., engrs. and archts. Noted Nov. 19.

N. J., Trenton — FIRE HEADQUARTERS, etc.—Apr. 30, by City Comn., 2 and 4 story fire headquarters, Perry St., $889,-500. J. O. Hunt, 219 East Hanover St., archt. Noted Apr. 8.

Pa., Bradford—CLUB—Loyal Order of Moose, Mechanic St., taking bids and opens same about Apr. 22, 3 story and basement, 74 x 84 ft., brick and stone, Pine St. $150,000. Lawrie Green & Co., 116 Locust St., Harrisburg, archts. Noted Oct. 1.

Pa., Phila. — APARTMENT — See "Contracts Awarded."

Pa., Phila.—APARTMENT and STORE—Apr. 27, by H. Murphy, archt., Drexel Bldg., 4 story and basement, 90 x 94 ft. apartment and store, Oakland and Oxford Sts., $175,000; also 6 story and basement apartment, 4028 Walnut St., $275,000, both brick and steel, plain foundations for G. T. Sales, Liberty Bldg.

Pa., Phila.—BANK—Apr. 27, by W. L. Blithe, archt., 608 Chestnut St., 2 story and basement, 24 x 214 ft., rein.-con. and brick addition, plain foundation, 52nd and Market Sts., for Market St. Title & Trust Co.

Pa., Phila.—THEATRE—See "Contracts Awarded."

Fla., Miami—TEMPLE and HOTEL—Masonic Temple Assn., taking bids 15 story and basement, 140 x 140 ft., rein.-con., steel and terra cotta temple and hotel. G. D. Mason & Co., 80 Griswold St., Detroit, Mich., archts. Noted Mar. 18.

Miss., Jackson—EXCHANGE—Apr. 27, by Moyre, Alger & Alger, archts., Walton Bldg., Atlanta, Ga., rein.-con. and brick exchange building, here, for Cumberland Telephone & Telegraph Co. $200,000.

Ind., Indianapolis — CHEMICAL LABORATORY — Swan Myers Co., 219 North Senate Ave., taking bids 1 story and basement, 66 x 130 ft. chemical laboratory. $150,000. Former contract rescinded. A. Scherrer, 415 Indiana Trust Bldg., archt.

Ill., Chicago—APARTMENT—Apr. 26, by J. A. Armstrong, archt., 127 North Dearborn St., 16 story and basement, 80 x 100 ft, rein.-con., brick and terra cotta, Delaware Pl. near Rush St., for Delaware Pl. Building Corp., c/o E. L. Berman, 2310 Indiana Ave. $500,000. Noted Feb. 11.

Ill., Chicago—HOTEL—Dubin & Eisenberg, archts., 14 West Washington St., taking bids 6 story and basement, 96 x 150 ft., rein.-con., brick and terra cotta, Racine and Leland Aves., for S. Isenstein, 6231 Kenmore Ave. Noted Feb. 18.

Ill., East St. Louis—APARTMENT—See "Contracts Awarded."

Wis., Milwaukee — OFFICE — Apr. 24, Judell & Bogner, archts., 445 Milwaukee St., remodeling interior 5 story office building, for Milwaukee Electric Ry. & Light Co., 2nd and Sycamore Sts. $200,000.

Minn., Cambridge—ADMINISTRATION—May 4, by State Dept. Administration & Finance, Capitol Bldg., St. Paul, 2 story and basement, rein.-con., brick and stone administration building at Minnesota Colony for Epileptics. $250,000. C. H. Johnston, 715 Capitol Bldg., St. Paul, archt. Noted July 23.

Tex., Kerrville—HOTEL—Apr. 30, by P. G. Selber & Co., archts., 331 Bedell Bldg., San Antonio, 5 story, brick, stone and rein.-con. hotel, here for Singelton & Walls, Houston. $260,000.

Buildings—Commercial (Continued)

Tex., Texarkana—DEPOT—July 1, by E. A. Hadley, ch. engr. Missouri Pacific R.R., Railway Exch. Bldg., St. Louis, Mo., 2 story, 50 x 282 ft., brick, stone and steel depot, here, for Missouri Pacific R.R. Co., Texas & Pacific R.R. Co., E. F. Mitchell, ch. engr., Dallas, St. Louis South Western R.R. Co., W. S. Hanley, ch. engr., Tyler, Tex., and Kansas City Southern R.R., A. N. Reece, ch. engr., Kansas City, Mo., $1,-700,000.

Calif., Los Angeles—WAREHOUSE—W. Bruce, archt., Pacific Natl. Bank Bldg., taking bids (1st unit) 5 story, 50 x 75 ft., rein.-con., West 47th St., for Argonne Transfer Co., c/o architect.

Ont., London—HOTEL—Apr. 26, by J. M. Moore, archt., 489 Richmond St., for hotel. $1,000,000. Owner's name withheld.

Que., Three Rivers — HOSPITAL — P. Begue, pres. Le Corporation de l'Hopital Cooke, taking bids 3 story, 60 x 100 ft., rein.-con., brick and steel hospital. $150,-000. Asselin & Deunoncourt, Three Rivers, archts. Noted Feb. 25.

B. C., Vancouver—OFFICE—Sept. 1, by W. Dicks, 45 Hastings St. E., 4 story, 52 x 120 ft., rein.-con. and terra cotta, Hastings and Hower Sts. $150,000. Townley & Matheson, 325 Hower St., archts.

Bids Received

Ia., Iowa City — ATHLETIC FIELD HOUSE — Proudfoot, Rawson & Souers, archts. and engrs., 810 Hubbell Bldg., Des Moines, 3 story and basement, 185 x 460 ft., brick and steel, plain foundation, from J. H. Hunzinger & Co., Davenport, for State University of Iowa. $272,112. Noted Apr. 8.

Calif., San Francisco—HOSPITAL—Shea & Shea, archts., 454 Montgomery St., 5 story, rein.-con. annex, from Barrett & Hilp, 918 Harrison St., for St. Marys Hospital. Approximately $850,000. Noted Jan. 21.

Contracts Awarded

Mass., Boston — APARTMENT — Beacon & Hereford Realty Co., 8 Trent St., Arlington, 10 story and basement, 35 x 90 ft., steel, here, to M. W. Ryan, 763 Massachusetts Ave., Cambridge. Archts. est. $500,000.

Mass., Boston—HOTEL—Beacon Chambers, 19 Myrtle St., 6 story and basement, brick and stone addition, plain foundation, to P. J. MacNaughton, 755 Boylston St. Archts. est. $150,000 or more.

Mass., Cambridge (Boston P. O.)—HOSPITAL—Holy Ghost Hospital, Cambridge St., 5 story, 120 x 300 ft., with 2 wings, brick and steel addition, to M. W. Ryan, 763 Massachusetts Ave. Archts. est. $350,-000. Noted Apr. 15.

Mass., Dedham—THEATRE, STORE and OFFICE — Dedham Community Theatre Corp., will build 2 story and basement, brick and stone, High St., by day labor, under supervision. H. R. Duffee, archt., 333 Belgrade Ave., Rosindale. $200,000. Noted Apr. 8.

Mass., Fall River—OFFICE—Fall River Electric Light Co., 85 North Main St., 2 story and basement, 135 x 150 ft., brick, Hartwell St., to J. Crowe Co., Inc., 486 2nd St. Archts. est. to exceed $150,000. Noted Mar. 25.

Mass., Hyannis—HOTEL—W. Cox, Camp St., 3 story nad basement, 100 x 145 ft., brick and timber, to H. T. Collette, Hyannis. Archts. est. $175,000.

Mass., Hyannis — HOTEL — Ridgeway Lodge Corp., c/o H. A. Lewis, archt., 75 Westminster St., Providence, R. I., will build 3 story and basement, 90 x 135 ft., and 2 wings, brick, by day labor, here. $200,000.

Mass., Malden (br. Boston)—STORE—S. S. Kresge Co., 2 story and basement, 60 x 100 ft., brick, plain foundation, 52-60 Pleasant St., to J. W. Bishop Co., 683 Atlantic Ave., Boston. Archts. est. $150,000.

Mass., Medford (br. Boston) — APARTMENT—Brown & Fay, 15 Salem St., will build 4 story and basement, 70 x 180 ft., brick and stone, by day labor. $150,000. O. A. Watkins, 15 Salem St., archt.

Mass., Roxbury (Boston P. O.)—APARTMENT—Bernstein & Berman, 160 Homestead St., will build 3 story and basement (6 units) brick and stone, plain foundation, Elm Hill Ave. $165,000. Work will be done by separate contracts. S. S. Eisenberg, 46 Cornhill, Boston, archt.

Mass., Salem — WAREHOUSE — Parker Bros., 190 Bridge St., 1 and 2 story, brick and steel, plain foundation, to Ferguson Co., St. Peters St. extension, Cleveland, O. Archts. est. $150,000.

Conn., New Haven — APARTMENT — Rubino & Daniesi, 74 5th St., 5 story, 50 x 110 ft., brick and steel, Whitney Ave., to Ruda Constr. Co., 421 1st Ave., West Haven. Archts. est. $200,000.

N. Y., New York — APARTMENT — Mazras Building Corp., c/o Bates & Franklin, engrs. and archts., 645 East Tremont Ave., will build brick, steel and stone, plain foundation, 610-616 Academy St., by day labor. $175,000.

N. Y., New York—APARTMENT—Duo Building Corp., c/o J. M. Felson, engr. and archt., 250 West 57th St., will build brick, steel and stone, plain foundation, Webster Ave., by day labor. $900,000.

N. Y., New York—APARTMENT HOTEL—Five Hundred Seventy-one Park Ave. Corp., c/o G. F. Pelham, engr. and archt., 200 West 72nd St., will build brick, steel and stone, plain foundation, Park Ave. and 63rd St., by day labor. $1,000,000.

N. Y., New York—APARTMENT—G. E. R. Constr. Co., c/o L. Stillman, engr. and archt., 311 Lenox Ave., will build brick, steel and stone, plain foundation, Sheridan Ave., by day labor. $160,000.

N. Y., Yonkers — THEATRE — J. E. Andrus, c/o T. W. Lamb, engr. and archt., 644 8th Ave., New York City, will build brick, steel and stone, plain foundation South Bway., here. $1,000,000. Work will be done by separate contracts. Noted Mar. 18.

Pa., Ardmore — SERVICE — Thornton Fuller Auto Co., 125 East Lancaster Ave., 1 story, 30,000 sq.ft. floor space, rein.-con., and brick, plain foundation, Haverford Rd., to W. J. Steele & Son, 219 North Broad St., Phila. Archts. est. $150,000.

Pa., Lansdowne — APARTMENT — G. Weiss, c/o S. Kaplan, archt., 10 South 18th St., 3 story and basement, 110 x 160 ft., brick and steel, plain foundation, Strafford St. and Lansdowne Ave., to J. F. Roystone, 705 East Girard St. Archts. est. $300,000.

Pa., Phila. — APARTMENT — Weiss Kaplan Co., Franklin Trust Bldg., will build 4 story and basement, 150 x 250 ft., stone and stucco, Ellet St. and Lincoln Dr., by day labor. $1,125,000. Work will be done by separate contracts. L. J. Tunis, 1600 Arch St., archt.

Pa., Phila. — EXHIBITION — Textile & Apparel Exhibits Assn., c/o G. F. Pawling, archt., 1432 South Penn Bldg., Palace of Fashion, 1 story, 600,000 sq.ft. floor space, stucco and steel, at Sesquicentenial grounds, Broad and Pattison Sts., to Thompson Starrett Co., Packard Bldg. Archts. est. $1,500,000. Noted Jan. 21.

Pa., Phila.—OFFICE—L. B. Rothschild, archt., 215 South Broad St., 12 story and basement, 39 x 125 ft., rein.-con., brick and steel, Juniper and Arch Sts., to P. M. Sax, Penfield Bldg., for D. Borton, 1218 Chestnut St. Archts. est. $500,000. Noted Jan. 7.

Pa., Phila.—STORAGE—Security Storage Co., 5748 Vine St., 3 story and basement, 150 x 230 ft., rein.-con. and brick addition, plain foundation, 5744-48 Vine St., to F. Claro, 10 South 18th St. Archts. est. $150,000. Noted Feb. 4.

Pa., Phila. — THEATRE — Barris & Bender, Schubert Bldg., will build 1 story and basement, 45 x 200 ft., rein.-con., brick and steel, plain foundation, 5410-12 Chester Ave. $150,000. Work will be done by separate contracts. Neubauer & Supowitz, 929 Chestnut St., archts.

Pa., Pittsburgh — BANK — Iron & Glass Dollar Bank, 1113 East Carson St., general contract 1 story and basement, 60 x 100 ft., stone and brick, Carson St., to D. T. Riffle, 1006 Forbes St. Archts. est. $150,-000. Noted Oct. 15.

Pa., Pittsburgh — OFFICE — Pittsburgh Insurance Exchange, c/o W. M. Reed, Union Natl. Bank Bldg., general contract 21 story and basement, 60 x 126 ft. office building, to Boyle Robertson Co., 815 15th St. N. W., Wash., D. C. Archts. est. $1,250,000. Noted Feb. 18.

Pa., Pittsburgh — WAREHOUSE — Gulf Refining Co., Frick Annex, general contract 2 story and basement warehouse, Gross and Mathilda Sts., to Hughes Foulkrod Co., 421 7th Ave. Archts. est. $150,000.

Pa., Williamsport — THEATRE — Lycoming Amusement Co., c/o C. A. Reed, pres., general contract 1 story, balconies and basement, 48 x 175 ft., steel, cinder block and concrete, Pine St., to J. Gehron Co., Inc., Pine and North Sts. Archts. est. $200,000. Noted Mar. 18.

N. C., Morehead City—HOTEL—Morehead Bluffs, Inc., 4 story, 100 room, stucco and tile, to J. E. Beaman State Bldg., Raleigh. Archts. est. about $400,000. Noted Apr. 1.

Ky., Louisville—APARTMENT HOTEL—M. J. Doll, 300 East Jefferson St., Claratin Manor, 7 story, 82 x 160 ft., brick and steel, Willow Ave. and Barringer Ave., to State Constr. Co., 30th and Columbia Sts., Indianapolis, Ind. Archts. est. $350,000.

O., Cleveland—COMMERCIAL GARAGE and APARTMENT—S. Z. Talisman, 11415 Kinsman Rd., 1 and 3 story, 76 x 142 ft., brick, 11503 Kinsman Rd., to J. Goldman, 11104 Kinsman Rd. Archts. est. $150,000. Noted Mar. 25.

O., Cleveland—STORE—Halle Bros. Co., S. H. Halle, pres. and treas., Euclid Ave., 6 story and basement, approximately 150 x 200 ft., brick, terra cotta and rein.-con. annex, Huron Rd., to J. G[illegible] & Sons, Bulkley Bldg. Archts. est. $1,2[illegible],000.

O., East Liverpool — OFFICE and MERCANTILE—G. O. Thompson, [illegible] story and basement, 50 x 92 ft., 4th St. [illegible] to Windland Bros. Co., East Liverpool. $150,000.

Ind., Gary—BUSINESS—Tribe of "K" c/o H. H. Kleinschmidt, general contract 4 story and basement, 74 x 120 ft., brick, rein.-con. and terra cotta, to M. Germoetta, 513 Bway. Archts. est. $160,000.

Ind., Gary—LODGE and CLUB HOUSE—Knights of Columbus, J. W. McLaughlin, chn., 10 story, 125 x 125 ft., brick, steel and concrete, 5th St., to H. G. Christman & Co., 306 South Notre Dame St., South Bend. Archts. est. $750,000. Noted Feb 25.

Mich., Marquette—BANK and OFFICE—First Natl. Bank & Trust Co., 2 story and basement, 64 x 102 ft., rein.-con., brick and stone, plain foundation, to Hoeppner-Bartlett Co., 414 Grand Ave., Eau Claire, Wis. Archts. est. $200,000. Noted Mar 18.

Ill., Blue Island—BANK and STORE—Blue Island Trust & Savings Bank, general contract 2 story and basement, 70 x 165 ft., brick and terra cotta bank, to Faltz & Co., 510 North Dearborn St., Chicago. Archts. est. $150,000.

Ill., Chicago — APARTMENT — Astor Building Co., 116 North La Salle St., 16 story and basement, 70 x 105 ft., rein.-con. and brick, Astor Ave., to Lundoff-Bicknell Co., B. F. Keith Bldg., Cleveland, O. Archts. est. $2,000,000.

Ill., Chicago—APARTMENT—McNally & Quinn, archts., 10 South La Salle St., masonry, concrete and carpentry contract 7 story, 46 x 90 ft., concrete, brick and stone, 7147-49 Jeffrey Ave., to H. Janisch & Co., 1813 Winona St. Archts. est. $325,-000. Noted Mar. 25.

Ill., Chicago — BANK and OFFICE — J. Scheitler, archt., 605 North Michigan Ave., general contract 3 story and basement, 56 x 175 ft. North Clark St. and Lunt Ave., to H. D. Moreland & Co., 3701 Sheffield Ave., for Phillip State Bank & Trust Co., North Clark St. and Lunt Ave. Archts. est. $230,000. Noted Nov. 5.

Ill., Chicago—HOME—Old Peoples Home, 5015 North Paulina St., masonry and carpentry contract 5 story and basement, 40 x 190 ft., rein.-con., brick and stone, 5015 North Paulina St., to B. J. Regnell Co., 19 South La Salle St.; iron work, to Guarantee Iron & Steel Co., Chicago.

Ill., East St. Louis—APARTMENT—C. S. Mueri Co., 3609 Hartford St., St. Louis, Mo., will build rein.-con., brick, terra cotta and stone, 10th and Pennsylvania Aves., here, by day labor. $150,000. Private plans.

Ill., East St. Louis — HOTEL — Bway. Central Hotel Co., 700 East Bway., general contract 7 story and basement, 96 x 210 ft., rein.-con., brick, steel and terra cotta, Bway. and 5th Sts., to Hollenberg & Co., 118 La Salle St., Chicago. Archts. est. $1,-100,000. Noted Dec. 17.

Wis., La Crosse—HOSPITAL—Franciscan Sisters, 10th and Market Sts., 5 story and basement, 43 x 60 ft., and 50 x 170 ft., brick and concrete hospital, to P. Nelson & Son, Newburg Bldg. Archts. est. $300,000.

Wis., Milwaukee—WAREHOUSE—Milwaukee Storage Co., 10 North Clark St., Chicago, Ill., 5 story, 44 x 177 ft., and 57 x 117 ft., brick and concrete, plain and wood pile foundation, South Water St., to W. W. Oeflein, Inc., 86 Michigan Ave. Archts. est. $150,000. Noted Feb. 11.

Wis., Oshkosh—BANK and OFFICE—First Natl. Bank, Main and Washington Sts., 8 story and basement, 94 x 125 ft., brick, stone and concrete, Main St., to Hoggson Bros., 38 South Dearborn St., Chicago, Ill. Archts. est. $800,000. Noted Mar. 25.

Ia., Cedar Rapids — HOTEL — First Avenue Holding Co., c/o J. E. Trewin, pres., 906 Amer. Trust Bldg., will build 12 story and basement, 140 x 140 ft., rein.-con., brick, stone and terra cotta, 1st Ave. and North 2nd Sts. Work will be done by separate contracts under supervision E. D. Krenn & Co., 936 North Michigan Blvd., Chicago, Ill. Archts. est. $1,200,000. Noted Oct. 29.

Ia., Cedar Rapids — WAREHOUSE — Quaker Oats Co., G. Laird, mgr., 12 story, 110 x 260 ft., rein.-con., incl. 48 concrete storage tanks, 3rd and D Sts., to Leonard Constr. Co., 37 South Wabash St., Chicago, Ill. Archts. est. $2,000,000.

Kan., Topeka — BANK and OFFICE — Central Natl. Bank, 700 Kansas St., general contract 50 x 150 ft., steel and stone, to F. M. Spencer & Son, 7th and Harrison St. Archts. est. $250,000.

Buildings—Commercial (Continued)

Minn., Minneapolis—OFFICE—Intersection Holding Co., M. T. Baker, Baker Bldg., pres., general contract 5 story and basement, 143 x 155 ft., rein.-con., brick and stone, 8th St. and Marquette Ave., to J. Leck Co., 211 South 11th St. Archts. total est. about $800,000.

Minn., St. Paul—HOTEL—Arcade Investment Co., H. Lowry, pres., 600 Temple Court Bldg., Minneapolis, general contract, 9 story and basement, rein.-con., brick and stone, 4th and Wabash Sts., to G. J. Grant Constr. Co., 904 Exchange Bank Bldg. Archts. total est. about $1,000,000. Noted Feb. 4.

Mo., St. Louis—APARTMENT—M. Corman, et al. 7 story and basement, 135 x 180 ft. rein.-con., brick and terra cotta, Taylor and West Pine Sts., to Weinberg Realty & Constr. Co., 816 Chestnut St. Archts. est. $450,000.

Mo., St. Louis — APARTMENT and STORE — N. N. Glick et al., 822 Chestnut St., 3 story and basement, rein.-con., brick and terra cotta, Hodiamont and Plymouth Aves., to Weinberg Realty & Constr. Co., 816 Chestnut St. Archts. est. $500,000.

Mo., St. Louis — COMMERCIAL — E. F. Williams et al., c/o First Natl. Co., Bway. and Locust Sts., 4 story and basement, 100 x 155 ft., rein.-con. and brick loft, store and office building, 17th and Locust Sts., to Widmer Eng. Co., Laclede Gas Bldg.

Mo., St. Louis—GARAGE—Famous-Barr Co., 7th and Locust Sts., 3 story and basement, 107 x 230 ft., rein.-con., 622 Walnut St., to Hall Mackay Constr. Co., Dolph Bldg. Archts. est. $150,000.

Mo., St. Louis—LOFT—Rose Realty Co., 905 Washington Ave., 11 story and basement, 130 x 135 ft., rein.-con., brick and steel, 1301-13 Washington Ave., to Harrison-Kopman Constr. Co., International Life Bldg. Noted Oct. 29.

Mo., St. Joseph—OFFICE—See "Buildings—Industrial."

Tex., Colorado—THEATRE, HOTEL and GARAGE—J. M. Thomas and R. Dixon, Colorado, and E. E. Parkhurst, Dallas, 7 story, rein.-con., brick, stone and steel, to Churchill & Humphery Co., 207 Magnolia Bldg., Dallas, $261,000.

Okla., Tulsa—MARKET—Producers Cooperative Co., general contract 1 story and basement, 140 x 140 ft., brick, steel and rein.-con., to G. C. Brickner & Currier, 7th and Kenosha Sts., $127,725. Noted Oct. 16.

Calif., Los Angeles — APARTMENT — Owner, c/o R. D. King, archt., 1124 Van Nuys Bldg., 5 story and basement, 80 x 140 ft., timber, McCadden Pl. near Sunset Blvd., to H. Greenbaum, 430 South La Brea Ave. Archts. est. $80,000.

Calif., Los Angeles — THEATRE — S. Grauman, Biltmore Hotel, 2 story, 140 x 250 ft., rein.-con., Hollywood Blvd. and Orange Ave., to Meyer & Holler, Wright-Callendar Bldg. Archts. est. $756,000. Noted Nov. 26.

B. C., Vancouver—STORE—David Spencer Ltd., Hastings and Seymour Sts., 9 or 10 story, 104 x 260 ft., rein.-con., steel and tile, Hastings and Richards Sts., general contract, excluding foundations and structural steel, to Northern Constr. Co. Ltd., 736 Granville St., $1,250,000; heating and ventilating, to Leeke & Co., 1090 Houser St., $200,000. Noted July 2.

Man., Winnipeg — GARAGE — T. Eaton Co., Ltd., 190 Yonge St., Toronto, 4 story and basement, 100 x 120 ft., rein.-con. and brick, 255-257 Carlton St., here, to Claydon Co., Ltd., Imperial Bank Bldg. Archts. est. $155,000. Noted Apr. 1.

Buildings—Industrial

Proposed Work

N. H., Rochester—LIGHT PLANT—See "Buildings—Commercial."

Mass., Boston—LIGHT MANUFACTURING—See "Buildings—Commercial."

Mass., Waverly (br. Boston)—LAUNDRY—Commonwealth of Massachusetts, Dept. Mental Diseases, plans 1 story, brick laundry, for W. E. Fernald State School. $40,000 appropriated. W. E. Boyd, 109 State House, Boston, engr.

N. Y., Long Island City — PLANT — Fallinger Co., archts., 12th and Chestnut Sts., Phila., soon let contract 1 and 2 story and basement, brick, steel and stone, concrete pile foundation, 4617 Flushing Ave., here, for M. O'Neil Supply Co., 25 Cliff St., New York City.

N. J., Elizabeth—FOUNDRY—Bethlehem Shipbuilding Corp. Ltd., 39 1st St., plans 1 story, rein.-con., brick and steel, plain foundation, 1st St. $50,000. Engineer and architect not selected.

N. J., Newark—PLANT—Battery Equipment Co., 266 Plane St., plans 1 story, rein.-con., brick and steel, plain foundation, 71 South Orange Ave. $50,000. Engineer and architect not selected.

Pa., Phila.—CLEANING and DYEING—Bornot, Inc., 170 Fairmount St., having plans prepared by S. G. Matthews, 2016 East Lippincott St., 1 story and basement, 213 x 268 ft., rein.-con. and brick, plain foundation, 34th and Lehigh Sts.

Pa., Phila. — MANUFACTURING—General Electric Co., Witherspoon Bldg., soon lets contract for Building 9, 74 x 100 ft. Building 10, 106 x 601 ft., and Building 11, 74 x 103 ft. each 7 story and basement, rein.-con. and brick, plain foundations, Elmwood Ave. between 68th and 70th Sts. $1,500,000. Harris & Richards, Drexel Bldg., archts.

Pa., Phila.—MILL—Gotham Silk Hosiery Co., 389 5th Ave., New York City, N. Y., having plans prepared by Harris & Richards, Drexel Bldg., mill, 5th and Courtland Sts., here.

Miss., Vicksburg — SHOPS — See "Railways under Mississippi."

Tenn., Memphis—LUMBER PLANT—J. E. Stark Lumber Co., Plumb St. and Illinois Central R.R. tracks, plans rebuilding plant, recently destroyed by fire. $150,000.

O., London — GARAGE — London Buick Co., having plans prepared 1 story and basement, 40 x 90 ft., brick and concrete, High and Walnut Sts. $60,000. Private plans.

Ill., Burnside—INSPECTION SHOPS—Illinois Central R.R. Co., 135 East 11th Pl., Chicago, A. F. Blaess, ch. engr., soon takes bids superstructures 90 x 440 ft. inspection shop, 50 ft. high, 75 x 440 ft. rein-con. repair shop, 40 ft. high, etc., here. $270,000. This corrects report in Apr. 15 issue.

Ill., Chicago—SHOP, GARAGE, etc.—J. Kulp & Co., 33 South La Salle St., having plans prepared by A. S. Alschuler, 28 East Jackson Blvd., 3 story and basement, 160 x 400 ft. machine, paint and tire storage shops and garage, rein.-con., brick and steel, West Congress St. between Morgan and Aberdeen Sts. $1,500,000. Chicago Post Office, lessee.

Ill., Murphysboro — BULK SERVICE STATION — Standard Oil Co. of Indiana, 2320 Division St., Evansville, Ind., W. J. Lang, dis. mgr., having preliminary plans prepared 2 story and basement, rein.-con. and brick, incl. garage for 12 trucks, steel tanks, loading platforms, etc., 19th St. and Mobile & Ohio R.R. tracks, here. $100,000.

Kan., Windfield—GAS PLANT—Election in May, $242,000 bonds, gas plant.

Mo., Moberly—PLANT—Moberly Paving Brick Co. plans rebuilding plant, recently destroyed by fire. $75,000 loss.

Calif., Stockton — MILL — Roberts & O'Keefe, 425 South Center St., purchased site and plans mill, Fremont St. and Union Ave. $40,000 or more.

Que., Quebec—MILL—Leaside Eng. Co., Ltd., Leaside St., Toronto, Ont., plans pulp and paper mill, 200 tons daily capacity with 2 hydro-electric power developments, and 25 mi. railway extension in Lake St. John Dist., here.

Bids Desired

Mass., Dorchester (Boston P. O.) — FACTORY — See "Contracts Awarded."

Mass., East Milton (br. Boston)—REFRIGERATING PLANT — See "Contracts Awarded."

Mass., New Bedford — REPAIR and SERVICE GARAGE — F. W. Greene, 888 Purchase St., taking bids 2 story, 50 x 95 ft., and 20 x 20 ft., brick and concrete, 2nd and High Sts. $50,000. L. LeBrode, 888 Purchase St., archt.

Mass., Pigeon Cove (Rockport P. O.)—FORGE SHOP and BOILER HOUSE—See "Contracts Awarded."

Mass., Quincy (Ind. br. Boston) — MILK PLANT — White Bros., 83 Brooks St., Norfolk Downs, taking bids 2 story and basement, brick and steel; Brooks St., here. $40,000. W. E. Luke, 365 Powder House Blvd., Somerville, archt.

Mass., Reading—GARAGE and REPAIR SHOP — Town, Municipal Light Dept., taking bids 1 story, concrete and brick garage and repair shop. $50,000. G. H. Sidebottom, 101 Tremont St., Boston, archt.

Conn., Meriden — POWER HOUSE, STACK, LAUNDRY — Apr. 27, by W. T. Arnold, archt., Crown St. Sq., power house, stack, laundry, ironing room, kitchen and bakery, Colony St., for Connecticut State School for Boys. $150,000.

N. Y., Canandaigua — FACTORY — Oberlies & Laurenz, archts., 81 South Union St., Rochester, taking bids general contract 1 story and basement 42 x 159 ft., brick and steel, plain foundation, here, for Owner, c/o M. O'Brien, 167 Ames St., Rochester. $100,000.

N. J., Camden—GARAGE and STORE—Apr. 29, by Ballinger Co., archts., 12th and Chestnut Sts., Phila., Pa., 5 story and basement, rein.-con. and brick, plain foundation, 7th and Linden Sts., here, for Bridge Plaza Garage Co.

N. J., Roselle (Ind. br. Elizabeth)—PLANT—Apr. 15, by Ballinger Co., engrs., 12th and Chestnut Sts., Phila., Pa., 1 story, 200 x 321 ft., concrete, brick and steel, plain foundation, here, for Rapid Addressing Machine Co., 46 West 23rd St., New York City. Noted Apr. 1.

Pa., Harrisburg — PRINTING PLANT — Apr. 27, by Ballinger Co., archts., 12th and Chestnut Sts., Phila., 3 story and basement, 100 x 102 ft., rein.-con., brick and steel addition, plain foundation, Mulberry and Crescent Sts., here, for J. H. McFarland Co., Mulberry and Crescent Sts.

Md., Baltimore—FACTORY—Apr. 23, by Kubitz & Koenig, engrs., Emerson Towers, 2 story and basement, 75 x 201 ft., rein.-con. and brick, plain foundation, Aiken and Curtain Sts., for O. T. Smith & Co., 409 East Saratoga St.

Md., Baltimore—SERVICE and SALES—Apr. 19, by archts., Owen & Sisco, Continental Bldg., 1 story, 90 x 195 ft., concrete and brick, 29th St. and Remington Ave., for Wilson Nash Motors Co., 1109 Cathedral St. $65,000. H. F. Doeleman, 509 North Charles St., engr.

Ill., Chicago—PRINTING PLANT—Apr. 23, by Mundie & Jensen, archts., 39 South La Salle St., 3 story and basement, 49 x 139 ft., brick and stone, Willard Court and Washington Blvd., for Prairie Farmers Publishing Co., 337 West Madison St. $150,000. Noted Jan. 28.

Wis., Green Bay — GARAGE — Oppenhamer & Opel, archts., Nicollet Bldg., taking bids 3 story and basement, 77 x 170 ft., brick, steel and concrete, plain foundation, for Brown Co. Motors, Inc., 610 Main St. $100,000.

Wis., Milwaukee — FACTORY — Seaman Body Corp., 1732 Richards St., taking bids 5 story, 100 x 170 ft., brick and concrete, plain foundation, Richards St. Private plans.

Mo., St. Louis — FACTORY — See "Contracts Awarded."

Mo., St. Louis—PACKING PLANT—See "Contracts Awarded."

Tex., San Antonio—CANDY FACTORY—G. A. Duerler Mfg. Co., West Commerce St., taking bids 6 story and basement, rein.-con. and brick, plain foundation. $200,000. Herff & Jones, c/o San Antonio Loan & Trust Co., 215 West Commerce St., San Antonio, engrs.

Calif., San Francisco — FACTORY — Couchot & Rosenwald, archts., 60 Sansome St., taking bids 3 story and basement, rein.-con. publishing plant, Pacific St., for Traung Label & Lithograph Co., 962 Battery St. Noted Apr. 8.

Contracts Awarded

Mass., Boston—LAUNDRY—G. M. Golbath, 120 Amory Jamaica Plain, 1 story, 60 x 130 ft., brick, here, to R. F. Gleason, 14 Waldron Rd., Rosindale. Archts. est. $40,000.

Mass., Boston—MANUFACTURING and PAINT SHOP—Hub Advertising Co., 483 Tremont St., 1 story, 60 x 100 ft., brick, 1700 Columbus Ave., to F. Cundari, 27 School St. Archts. est. $40,000.

Mass., Boston—REPAIR and SERVICE GARAGE — Savoy Realty Co., c/o M. Linenthal, engr., 333 Washington St., 2½ story, 160,000 sq.ft. floor space, rein.-con., brick and steel, Washington and Perry Sts., to Snider & Druker, 18 Tremont St. Archts. est. to exceed $40,000.

Mass., Dedham — FACTORY — Dedham Finishing Co., 277 High St., 1 story, 50 x 150 ft., brick and steel addition, to McNally Building Co., 65 Concord St., Framingham. Archts. est. $40,000.

Mass., Dorchester (Boston P. O.) — FACTORY — Montello Tile & Marble Co., Inc., 54 Geneva Ave., will alter and construct 1 story, brick and steel addition. $40,000. Work will be done by separate contracts. J. A. Nally, 698 Massachusetts Ave., Cambridge, archt.

Mass., East Milton (br. Boston) — REFRIGERATING PLANT — Granite City Ice Co., F. S. Patch, pres., 550 Adams St., East Milton, will build 1 story, concrete and brick refrigerating plant. $40,000. Work will be done by separate contracts. Private plans.

Mass., Pigeon Cove (Rockport P. O.)—FORGE SHOP and BOILER HOUSE—J. D. De Wolf, engr., 45 Fromfield St., Boston, will build 1 story, 65 x 135 ft., rein.-con. tile and brick addition, concrete foundation, here, for Cape Ann Tool Co. Work will be done by separate contracts. Engrs. est. to exceed $40,000.

Mass., Westfield — MACHINE SHOP — Foster Machine Co., 2 story brick addition, to E. J. Pinney & Co., Inc., 374 Main St., Springfield. $120,622.

Buildings—Industrial (Continued)

Mass., Worcester — ENGINE HOUSE — New York, New Haven & Hartford R.R., E. Gagel, ch. engr., New Haven, brick engine house, here, to E. J. Cross Co., 82 Foster St. Archts. est. $40,000 or more.

R. I., Bristol—MILL—Cranston Worsted Co., Thames St., 4 story, 75 x 100 ft., brick, to P. J. Flynn, 17 Exchange St., Providence. Archts. est. to exceed $40,000.

R. I., Woonsocket—MILL—Woonsocket Falls Mill, 15 South Main St., 6 story, rein.-con., to Aberthaw Constr. Co., 80 Federal St., Boston. Archts. est. $100,000.

Conn., Hartford — FACTORY — Case, Lockwood & Brainard, 141 Pearl St., 5 story, rein.-con., brick, steel and stone, Trumbull and Hicks Sts., to Bent & O'Brien, 183 Ann St. Archts. est. $300,000. Noted Jan. 7.

N. Y., Long Island City — FACTORY — Morganite Brush Co., Inc., 519 West 38th St., New York City, 1 story, 60 x 200 ft., rein.-con. brick and steel, plain foundation, Anable Ave., here, to White Constr. Co., 95 Madison Ave., New York City. Archts. est. $225,000.

N. J., Trenton — FACTORY — Essex Rubber Co., Beakes and May Sts., 1 and 2 story, 55 x 250 ft., and 65 x 250 ft. factory buildings, to H. R. Fell Co., 338 Southard St., $83,000. Noted Jan. 21.

Pa., Phila.—MILL—Kauffman Plush Co., Pennsdale and Mitchell Sts., 5 story and basement, 80 x 106 ft., brick, plain foundation, to R. E. Lamb Co., 841 North 19th St. Noted Mar. 25.

Pa., Phila. — STORAGE — Phila. Grain Elevator Co., Port Richmond St., 4 story, 98 x 371 ft, rein.-con. and brick, plain foundation, Bath and Lippincott Sts., to M. A. Long, Munsey Bldg., Baltimore, Md. Engrs. est. $200,000.

Pa., Pittsburgh—GLASS PLANT—J. T. and A. Hamilton Co., 26th St. and railroad tracks, general contract 1 story, 82 x 120 ft. addition, 26th St., to Coutts Co., 3332 Smallman St. Engrs. est. $40,000.

Ala., Birmingham — FACTORY — Continental Gin Co., Title Guarantee Bldg., six 1 story, concrete, brick and steel factory buildings, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, O. Archts. est. $300,000.

Ala., Gadsden — TEXTILE — Sauquoit Spinning Co. of Alabama, Gadsden, 2 story, 104 x 400 ft. with 50 x 80 ft. wing, also four 50 x 100 ft. buildings, to A. K. Adams, 247 Clifton Rd., Atlanta, Ga., $250,000. Noted Apr. 8.

Miss., Moss Point — STORAGE WAREHOUSE — Southwestern Paper Co., storage warehouse, power house additions, and turbine foundations to Morton C. Tuttle Co., 862 Park Sq. Bldg., Boston, Mass.

O., Cleveland — FACTORY — Max Glick Mfg. Co., M. Glick, pres., 711 Woodland Ave., 3 story and basement, 24 x 127 ft., brick and steel addition, to Bolton-Pratt Constr. Co., 7113 Euclid Ave. Archts. est. $40,000.

Ill., Chicago—FACTORY—General Metal Spinning Co., 2824 North California Ave., masonry and carpentry contract 1 story, 40 x 200 ft., brick, 2643-45 Belmont Ave., to Mutual Constr. Co., 2532 Warren Ave. Archts. est. $90,000.

Wis., Milwaukee—GARAGE—Journal Co., 4th and State Sts., 1 story, 150 x 150 ft., rein.-con. and brick, plain foundation, 4th and Poplar Sts., to W. W. Oeflein, Inc., 86 Michigan Ave. Archts. est. $75,000.

Kan., Salina — PACKING PLANT — Swift & Co., 79 West Monroe St., Chicago, Ill., 5 story, 100 x 115 ft., rein.-con. and brick, plain foundation, to Eberhardt Constr. Co., Salina, $65,000. Noted Oct. 29.

Mo., Kansas City — WAREHOUSE — Ralston Purina Co., Rochester and Scott Sts., 1 story, 99 x 144 ft., steel warehouse, to Jones-Hettelsater Constr. Co., 708 Mutual Bldg. Archts. est. $60,000.

Mo., St. Joseph—FOUNDRY—King Mfg. Co., 230 South Clark St., Chicago, Ill., 140 x 480 ft. foundry, also 2 story, 24 x 40 ft. office, brick, steel and corrugated iron, to C. P. Norris, 1220 South 11th St. Archts. est. $150,000.

Mo., St. Louis — FACTORY — Century Electric Co., 1827 Pine St., will build 2 story and basement, 240 x 400 ft., rein.-con. and brick, 3739 Market St., $250,000. Work will be done by separate contracts under supervision of L. B. Pendleton, archt., 119 North 7th St. Noted Mar. 4.

Mo., St. Louis — PACKING PLANT — Geist Bros. Meat Co., 3832 Lucky St., will build 2 story and basement, 100 x 240 ft., brick and concrete addition, Lucky St., by day labor under supervision Natl. Packers Supply Co., archts., 405 Franklin Ave. $100,000. Noted Feb. 11.

Mo., St. Louis—FACTORY—Koken Co., 2528 Texas Ave., 1 story, 160 x 220 ft., 2 story, 100 x 160 ft., 1 story, 100 x 160 ft., 1 story, 90 x 160 ft., and 1 story, 50 x 180 ft. factory buildings, Morganford St., to W. H. Cunliff, 410 North Euclid Ave. Archts. est. $150,000. Noted Mar. 4.

Mo., St. Louis—FACTORY—Missouri Engine Co., 2804 North 11th St., 1 and 2 story, 126 x 145 ft., brick and concrete, 3300 North Bway., to Chapline Constr. Co., Wainwright Bldg. Archts. est. $75,000.

Mo., St. Louis—ICE PLANT and WAREHOUSE—Polar Wave Ice & Fuel Co., 3638 Olive St., 2 story and basement, 120 x 200 ft., rein.-con. and brick, 9th and Victor Sts., to Fruin-Colnon Constr. Co., Merchants Laclede Bldg. Archts. est. $250,000. Noted Mar. 11.

Mo., St. Louis—FACTORY—Sieloff Packing Co., 4339 Natural Bridge Ave., will build 3 story and basement, 40 x 40 ft., brick and concrete, 4326 Sacramento St., by day labor. $40,000.

Tex., Amarillo—PRODUCE and STORAGE PLANT—A. J. Thompson Produce Co., 1 story and basement, 50 x 130 ft., rein.-con. and brick, plain foundation, to F. Bone Constr. Co., Amarillo, $40,000.

Idaho, Lewiston—POWER HOUSE—See "Dams."

Wash., Chelan Falls—POWER PLANT—Chelan Electric Co. granted permit by Federal Power Comn. for hydro-electric development, here, Washington Water Power Co., Spokane, D. L. Huntington, pres., have power rights and will make the development, incl. constructing dam at foot of Lake Chelan, power house on or near Columbia River, and 4 mi. tunnel initial capacity 30,000 hp., maximum 110,000 hp., to Grant Smith & Co., Henry Bldg., Seattle. Initial cost $4,000,000, total $10,000,000.

Buildings—Educational, Religious

Proposed Work

Mass., Boston—MEDICAL DORMITORY—Harvard University, Harvard Medical Alumni Assn., F. M. Rackemann, secy., 1263 Beacon St., having preliminary plans prepared by Coolidge Shepley, Bulfinch & Abbott, Ames Bldg., 4 story and basement, brick and stone, Longwood and Pasteur Aves. $1,500,000.

Mass., Cambridge (Boston P. O.) — SCHOOLS—Shady Hill School, C. Taylor, principal, having revised plans prepared by S. W. Meade, Barristers Hall, Boston, eight 1 story open air buildings, six 30 x 85 ft., one 30 x 100 ft., and other undecided, all brick, plain foundations. $150,000.

Mass., Hingham — HIGH SCHOOL — Town, T. Battermer, chn. building com., plans 2 story and basement, brick and stone, Central St. $225,000. Engineer and architect not selected.

Mass., New Bedford — CHAPEL and SCHOOL—Our Lady of Perpetual Help, c/o Leary & Walker, archts., 1st Natl. Bank Bldg., having preliminary plans prepared 1 and 2 story and basement, brick and stone, Acushnet Ave. To exceed $150,000.

Mass., Roxbury (Boston P. O.)—SCHOOL—Roxbury Latin School, c/o Perry, Shaw & Hepburn, archts., 177 State St., Boston, making plans 2 story and basement, 145 x 245 ft., brick and stone, plain foundation, Spring and Center Sts., here. $400,000.

N. Y., North Tarrytown (Ind. br. Tarrytown)—SCHOOL—Church of St. Theresa, having plans prepared by Knappe & Morris, engrs. and archts., 171 Madison Ave., New York City, brick, steel and stone, plain foundation, Beekman Ave. $200,000.

N. J., Guttenberg (br. Weehawken) — SCHOOL—Bd. Educ. having plans prepared by J. Weber, engr. and archt., 132 26th St., brick, steel and stone, plain foundation. $250,000.

N. J., New Brunswick — CHURCH and CHAPEL—Second Dutch Reformed Church, W. H. S. Demarest, pastor, takes bids about May 15, 1 and 2 story, 40 x 70 ft., and 50 x 90 ft., brick and stone, College Ave. and Mine St. $150,000. Ludlow & Peabody, 101 Park Ave., New York City, archts.

Pa., Altoona—CHURCH and SCHOOL—Our Lady of Lourdes Catholic Church, J. H. Farran, pastor, 2529 Broad Ave., plans 3 story and basement, 100 x 150 ft., brick, stone and steel, West Chestnut Ave. $300,000. Engineer and architect not selected.

Fla., Jacksonville — CHURCH — First Baptist Church Congregation having plans prepared by R. H. Hunt Co., James Bldg., rein.-con. and terra cotta church. $350,000.

La., Homer—HIGH SCHOOL—Claiborne Parish having plans prepared by E. F. Neild, Shreveport, high school. $175,000. Noted Jan. 21.

O., Cleveland Heights (Warrensville P. O.)—CHURCH—Trinity Congregational Church, J. F. Heffner, pastor, East 84th St. and Cedar Ave., Cleveland, having plans prepared by W. G. Caldwell, Jr. of L. R. Bank Bldg., Cleveland, 1 and 2 story, brick and steel, Taylor Rd., here. $250,000.

Ind., Bloomington—FIELD HOUSE—Indiana University having plans prepared by Daggett & Hibben, Indianapolis, for field house, 1,000 seating capacity, $200,000. C. R. Ammerman, 925 Continental Bank Bldg., engr.

Ind., Muncie — DORMITORY — Ball Teachers College, B. J. Burris, pres., having plans prepared by Snyder & Babbitt, 16 East Broad St., Columbus, O., 3 story and basement, 69 x 122 ft. girls' dormitory, brick, concrete and stone, campus. $200,000.

Mich., Kingsford Heights (Menominee Mountain)—SCHOOL—Bd. Educ., Breitung Twp., J. Roth, secy., rejected bids Mar. 20, 2 story and basement brick and tile school. Will readvertise. Noted Jan. 14.

Ill., East St. Louis—HIGH SCHOOLS—Defeated $700,000 bonds for two 3 story and basement Junior High Schools, one for Winstaley and other for Lansdowne Dists., for Bd. duc., 90, c/o J. S. Pidgeon, 699 St. Louis Ave. Noted Mar. 18.

Wis., Neenah — HIGH SCHOOL — Voted $350,000 bonds 3 story, rein.-con., brick and tile, plain foundation, for Bd. Educ. J. D. Chubb, 109 North Dearborn St., Chicago, Ill., archts. Noted Mar. 11.

Ia., Bedford—SCHOOL—Voted $160,000 bonds, school, for Bd. Educ. Engineer and architect not announced. Noted Mar. 25.

Ia., Des Moines — CHURCH — Grace Methodist Episcopal Church, A. L. Morgan, chn., 2310 Cottage Grove Ave., having revised plans prepared by Vorse, Kreatsch & Kreatsch, 1201 Commonwealth Bldg., and takes bids in summer, 3 story and basement, 60 x 214 ft., concrete, brick and stone, 37th and Cottage Grove Sts. $250,000. Noted Oct. 1.

Ia., Muscatine — SCHOOL — Independent School Dist., having plans prepared by Dougher, Rich & Woodburn, 805 V N B Bldg., Des Moines, 2 story, 116 x 200 ft., rein.-con. and brick, plain foundation. $175,000. Noted Apr. 1.

Ia., Sioux City — DORMITORY — Bd. Trustees Morningside College, 1500 Morningside Ave., take bids about May 15, 3 story and basement, 56 x 135 ft. main building, and (2 units) 2 story, 42 x 80 ft., rein.-con. and brick, concrete pile foundation, Vine Ave. $205,000. Beuttler & Arnold, Sioux City, archts. and engrs. Noted Mar. 4.

Mo., Warrensburg — GYMNASIUM and LIBRARY—Central Missouri Teachers College plans new gymnasium and library. $200,000 appropriated.

Ark., Hot Springs—LIBRARY—Citizens Co., c/o F. Leslie, secy., Chamber Commerce Bldg., having preliminary plans prepared 2 story, concrete, brick and stone library. To exceed $150,000.

Ark., Pine Bluff — COLLEGE — Branch Normal College, c/o C. M. Hurst, State Superv. Grounds & Schools, Little Rock, having preliminary plans prepared 2 dormitories, administration building, teachers cottage and principals residence, 2 and 3 story, brick and concrete. $500,000.

Tex., Amarillo — CHURCH — Congregation Methodist, c/o J. Blackburn, plans brick, stone and rein.-con., 4th and Pake Sts. $300,000.

Tex., Austin—SCHOOL—Election May 15, $150,000 bonds, improving schools. W. D. Yett, mayor.

Tex., Dallas—CHURCH—Church of Incarnation Episcopal Congregation, c/o C. E. Snowden, 2133 North Harwood St., having preliminary plans prepared by Lang & Witchell, 300 Amer. Exch. Bank Bldg., brick, stone and terra cotta church, McKinney St. and Carroll Ave. $300,000.

Tex., Dallas—SCHOOL—City, Bd. Educ., c/o C. M. Moore, secy., had plans prepared by Coburn, Smith & Evans, 2006 Republic Bldg., 2 story and basement, 88 x 206 ft., brick, stone and rein.-con., Acord and Royal Sts.

Tex., Eastland — HIGH SCHOOL — Bd. Educ., J. H. Caton, pres., having plans prepared by D. S. Castle Co., 701-4 Alexander Bldg., San Antonio, 2 story and basement, rein.-con., brick and stone, plain foundation. $150,000.

Ore., Portland — SCHOOL — School Bd. having plans prepared by G. H. Jones, School Administration Bldg., 2 story, 24 room, brick and terra cotta, 11th, 15th, Buffalo and Oneonta Sts. $250,000.

Que., Cap-de-la-Madeleine — SCHOOL — Roman Catholic School Com., plans 4 story, 80 x 100 ft., brick and steel school. $150,000. J. Caron, 21 St. Joseph St., Three Rivers, archt.

Ont., Bridgeburg—SCHOOL—Bd. Educ., A. L. Current, chn., plans 2 story and basement, 8-10 room, rein.-con., brick and steel, plain foundation. $150,000. Engineer and architect not selected.

Ont., Toronto — OBSERVATORY — University of Toronto, Queens Park, plans

Buildings—Educational, Religious (Cont.)

story, brick and steel, plain foundation, Bathurst St. $150,000. Engineer and architect not selected.

Bids Desired

Me., Augusta—CHURCH—Apr. 27, by St. Mary's Roman Catholic Parish, T. J. McLaughlin, pastor, brick and steel church, Sewell St. and Western Ave. $200,000. O'Connell & Shaw, 134 Newbury St., Boston, Mass., archts.

N. H., Concord—HIGH SCHOOL—City, H. J. Lake, chn., 97 North Main St., taking bids 2 story and basement, brick and stone school. $150,000. J. D. Leland & Co., 41 Mt. Vernon St., Boston, Mass., archts. Noted Jan. 28.

Vt., Bellows Falls — HIGH SCHOOL — Apr. 30, by Town, Building Comn., 3 story and basement, 135 x 170 ft., rein.-con. and brick high school. $250,000. Tooker & Marsh, 101 Park Ave., New York City, archts.

Mass., Amesbury—SCHOOL—St. Josephs Roman Catholic Church, R. F. Lee, pastor, taking new bids 2 story and basement, brick and stone, Sparhawk St. $150,000. Former bids rejected. O'Connell & Shaw, 134 Newbury St., Boston, archts. Noted Apr. 15.

Mass., Cohassett — SCHOOL — Town, Schoolhouse Dept., taking bids 1 story and basement, 125 x 140 ft., brick and stone, Summer and Main Sts. $150,000. W. H. McLean, 88 Tremont St., Boston, archt.

Mass., South Boston (Boston P. O.) — SCHOOL—Apr. 27, by Schoolhouse Dept., City Hall, Boston, 2 story and basement, 75 x 115 ft., brick and limestone, plain foundation, Vail and 9th Sts., here. $207,000. F. I. Cooper Corp., 178 Tremont St., Boston, archts.

Mass., Waltham (Ind. br. Boston) — SCHOOL—City, H. F. Beal, mayor, taking bids 2 story and basement, brick and stone, Parmenter Rd. off High St. $400,000. Hutchins & French, 11 Beacon St., Boston, archts. Noted Mar. 25.

Mass., Watertown — SCHOOL — Taking bids 2 story and basement, brick, North End Dist. $150,000. Kilham, Hopkins & Greeley, 9 Park St., Boston, archts.

Mass., Wellesley (br. Boston)—BOTANY and ZOOLOGICAL LABORATORY—Apr. 23, by Day & Klauder, archts., 259 Chestnut St., Phila., Pa., and French & Hubbard, archts., 210 South St., Boston, 4 story and basement, 60 x 300 ft. with 40 x 60 ft. and 55 x 60 ft. wings, brick and stone, here, for Wellesley College. To exceed $150,000.

Mass., Winchester—CHAPEL and PARISH HOUSE—First Congregational Church, C. P. Downer, chn. com., taking bids 2 story and basement, 75 x 125 ft., stucco and granite, Church St. $160,000. R. Coit, 9 Park St., and Allen & Colleb, 75 Newbury St., archts.

R. I., Providence — TEMPLE — Temple Emanuel, c/o P. Joslin, Industrial Trust Bldg., taking bids 3 story, brick and stone, Session St. $150,000. Kroykn Browne & Rosenstein, 220 Devonshire St., Boston, Mass., archts.

Conn., Danbury — DORMITORY — State Normal School, F. M. Salmon, comptroller, Hartford, taking bids 3 story, 40 x 170 ft., brick and steel dormitory, here. $150,000. O. G. S. Ziroli, 165 State St., Bridgeport, archt. Noted Feb. 18.

N. Y., Corning—HIGH SCHOOL—May 6 (extended date), by Bd. Educ. brick, steel and stone, plain foundation, Kingsburg Ave. $350,000. Palmer Rogers, 101 Park Ave., New York City, engr. and archt. Noted Apr. 15.

Fla., South Jacksonville (Ind. br. Jacksonville)—HIGH SCHOOL—May 11, by Bd. Pub. Instruction Duval Co., at office Superintendent, Court House, Jacksonville, constructing Junior-Senior High School, Block 12, Shadyside Ave., here. Marsh & Saxelbye, Consolidated Bldg., Jacksonville, archts.

Ky., Harrodsburg—CHURCH—Apr. 29, by Christian Church, 1 and 2 story, 106 x 108 ft., brick and steel church. $200,000. J. H. MacDowell, Bulkley Bldg., Cleveland, O., archt.

Ind., Mishawaka—CHURCH—St. Monicas Catholic Church, J. F. Kohl, pastor, 235 West Grove St., taking bids brick and stone church. $150,000. H. J. Gaul, 228 East Superior St., Chicago, Ill., archt.

Ill., Peoria—HIGH SCHOOL—May 6, by Bd. School Inspection, G. T. Monst, secy., Blaine Sumner High School, 2 story and basement, 24 room, incl. heating and ventilating, etc. rein.-con., brick and steel, plain foundation, Blaine and Sumner Sts. $300,000. W. W. Day, 1415 North Perry St., archt.

Mo., Kansas City — NURSES HOME — Apr. 29, by J. W. Wagoner, chn. Research Hospital, 1409 Grand Ave., 4 story and basement, 80 x 140 ft., rein.-con., and terra cotta nurses home. $150,000. J. G. Bracklein, 200 Kresge Bldg., archt. Noted Apr. 8.

Tex., Ft. Worth—HIGH SCHOOL—Apr. 26, by E. F. Corbett of Bd. Educ., 311 W. T. Waggoner Bldg., Arlington Junior High School, 3 story, 26,000 sq.ft. floor space, brick, stone, and rein.-con. W. G. Clarkson & Co., 610 1st Natl. Bank Bldg., archts. Noted Mar. 22.

Calif., Alhambra—CHURCH—First Presbyterian Church taking bids rein.-con., Commonwealth Ave. $175,000. Marston, Van Pelt & Maybury, 25 South Euclid Ave., Pasadena, archts. Noted Jan. 7.

Calif., Oakland — HIGH SCHOOL — May 4, by Bd. Educ., group of brick and concrete buildings for Frick Junior High School. $400,000. Wythe, Blaine & Olsen, 1800 Telegraph Ave., archts. Noted Aug. 27.

Calif., Santa Cruz — SCHOOL — H. A. Minton, archt., Bank of Italy Bldg., taking bids 2 story and basement, rein.-con. school, for Holy Cross Church. $150,000.

Bids Received

R. I., Providence—SCHOOL—City, Dept. Pub. Buildings, City Hall, Apr. 12, 2 story and basement, 85 x 90 ft., and 3 story, 172 x 190 ft., brick and stone, America St., from Greaney & Sherry, 827 Davol St., Fall River, $413,000; heating and ventilating system, from Files Eng. Co., 75 Westminster St., $46,922. Noted Apr. 8.

Conn., New Britain — HIGH SCHOOL — City, J. M. Halloran, chn. school com., general contract 3 story, 60 x 200 ft., brick and steel addition to Nathan Hale Junior High School, Tremont St., from M. A. Connor, 561 Main St., $163,443. Noted Apr. 1.

N. J., Montclair—SCHOOL—Bd. Educ., general contract Edgemont School from A. C. Windsor, 263 Washington Ave., Newark, $192,500; heating, from Johnson Heating Co., 131 East 26th St., New York City, $25,000.

Pa., Hazleton — SCHOOL — Hazleton School Dist., 3 story and basement, 159 x 220 ft. school, from Sheppard Constr. Co., Miners Bank Bldg., Wilkes-Barre, $558,124.

Ind., Valparaiso—SCHOOL—Bd. School Trustees, C. W. Bouches, supt., Mar. 10, general contract 3 story and basement, rein.-con. and brick, from Town & Blank Constr. Co., Michigan City. Archts. est. $300,000. Noted Feb. 25.

Mich., Kingsford Heights (br. Iron Mountain)—SCHOOLS—Bd. Educ. Breitung Twp., two 2 story and basement, brick and tile, plain foundations, from A. Verville, Hancock, $146,900. Noted Jan. 14.

Neb., Lincoln — UNIVERSITY — D. P. Wilson, archt., Lincoln, Mar. 26, Morrill Hall, 3 story and basement, brick, on campus, from Bickle Constr. Co., University Place, for University of Nebraska. $224,890. Noted Mar. 18.

Contracts Awarded

Mass., Arlington (br. Boston)—SCHOOL—Town, E. R. Barker, chn. com., 2 story and basement, 60 x 90 ft., brick and stone, Irving St., to J. Grenwood, 101 Tremont St., Boston. Archts. est. $150,000.

Mass., Boston — CONVENT — Church of St. Leonard of Port Maurice, 33 Prince St., 4 story and basement, brick, North Pennet Pl., to Capobianco Constr. Co., 46 Cornhill. Archts. est. $150,000.

Mass., Brighton (Boston P. O.) — RETREAT HOUSE—St. Gabriels Monastery, Washington St., 3 story, 60 x 100 ft., brick and concrete retreat house, to J. G. Roy & Sons Co., 21 Silver St., Springfield. Archts. est. $150,000.

Mass., Dorchester (Boston P. O.) — SCHOOL—St. Williams Church, D. J. Murphy, pastor, 2 story and basement, 75 x 95 ft., brick and stone, plain foundation, Savin Hill Ave., Tuttle and Sydney Sts., to Mack Bros., 77 Summer St., Boston. Archts. est. $150,000.

Mass., Jamaica Plain (Boston P. O.) — SCHOOL—Church of Blessed Sacrament, A. T. Connelly, pastor, 2 story and basement, brick, Center St., to J. F. Griffin Co., 15 Exchange St., Boston. Archts. est. $150,000. Noted Dec. 3.

Mass., Melrose (Ind. br. Boston) — SCHOOL—City, City Hall, Winthrop School, 2 story and basement, 60 x 175 ft., brick and stone, to C. H. Cunningham & Sons, 80 Boylston St., Boston, $144,000. Noted Mar. 18.

Mass., Middleboro — HIGH SCHOOL — Town, A. G. Newkirk, chn. Building Com., 2 story and basement, brick, Nickerson St., to T. F. Crowell & Son, 19 South St., Brockton. Archts. est. $150,000.

Mass., Newton (Ind. br. Boston) — ACADEMY — Boston Academy of Sacred Heart, 260 Commonwealth Ave., altering and constructing academy addition, Center and Cabot Sts., to C. Logue Building Co., 18 Tremont St., Boston. Archts. est. to exceed $150,000. Noted Mar. 25.

Mass., Newton (Ind. br. Boston)—CONVENT — Francescan Sisters Order, 20 Manet Rd., 3 story and basement, 55 x 110 ft. addition, to Archdeacon & Sullivan, 5 East Concord St., Boston. Archts. est. $150,000. Noted Apr. 1.

Mass., Orange—SCHOOL—Orange Twp., High School Building Com., altering and constructing 2 story and basement, brick addition, to Taylor-Wheeler Corp., Starrett Bldg., Athol, $127,600.

Mass., Williamstown—FRATERNITY—Delta Delta Fraternity, Williams College, 3 story and basement, brick, steel and stone, plain foundation, to J. R. Hampson & Co., Inc., 184 North St., Pittsfield. Archts. est. $150,000. Noted Feb. 25.

Conn., Bristol—NURSES HOME—Bristol Hospital, T. G. Treadway, chn. Building Com., Oakland St., brick and concrete addition, to L. Miller Co., Church St., Meriden. Archts. est. $150,000. Noted Jan. 14.

Conn., Waterbury—CHURCH—Immaculate Conception, W. J. McQuirk, pastor, 1 story and basement, 140 x 190 ft., brick and stone, West Main St., to Tracy Bros., 42 Benedict St. Archts. est. $250,000. Noted Mar. 25.

N. J., Nutley (br. Newark) — HIGH SCHOOL—Bd. Educ., Park School Bldg., Franklin Ave., for high school Franklin Ave., to T. M. Day & Sons, Fitz-Charles Bldg., Trenton, $472,983. Noted Apr. 8.

Pa., Phila. — CONVENT — St. Bartholomew Roman Catholic Church, c/o J. S. Scanlon, pastor, Large and Sanger Sts., 3 story and basement, 41 x 122 ft., rein.-con., brick and steel, plain foundation, Large and Sanger Sts., to Murphy Quigley Co., 1524 Sansom St.

Pa., Phila.—EXHIBITION—J. Molitor, archt., 1313 Walnut St., Palace of Education, 1 story, 208 x 254 ft., rein.-con., stucco and steel, wood pile foundation, Broad and Pattison Sts., to Austin & Co., 16112 Euclid Ave., Cleveland, O., for Sesquicentennial Exposition. W. F. Kendrick, pres. $348,000. Noted Apr. 8.

Pa., Phila.—SCHOOL—Bd. Educ., J. D. Cassell, supt. Buildings, 19th and Chestnut Sts., general contract 3 story and basement, 36 x 159 ft., rein.-con., brick and steel, 17th and Folsom Sts., to Nelson-Pedley Co., Corn Exch. Bank, $327,000; and heating, to McClintock Co., 1937 Ridge Ave., $29,495. Noted Apr. 15.

Pa., Phila.—SCHOOL—Bd. Educ., J. D. Cassell, supt. Buildings, 19th and Chestnut Sts., general contract 3 story and basement, 141 x 212 ft., rein.-con. and brick, plain foundation, Lyons Ave. and Brunswick St., to Nelson-Pedley, Corn Exch. Bldg., $462,452; heating, to W. H. Ambrose & Son, Levington and Umbria Sts., $43,980; and ventilating, to Mellon Co., 4419 Ludlow St., $26,080. Grand total $533,512. Noted Apr. 15.

Md., Baltimore—SCHOOL—Bd. Awards, 3 story and basement, 64 x 252 ft., brick and steel, plain foundation, Preston and Walnut Sts., to Mason, Curley, Brady Inc., 308 West Madison St., $327,000. Noted Mar. 25.

N. C., Concord—CHURCH—First Presbyterian Church, new church, Union St., to J. P. Little & Son, Realty Bldg., Charlotte, $200,000.

Fla., Daytona—SCHOOLS—Bd. Pub. Instruction, Volusia Co., G. W. Marks, secy., Deland, constructing high school, 3rd Ave., to J. L. Pratt, Harvey Ave., Daytona Beach, approximately $300,000; also grammar school, 2nd St. and Volusia Ave., to L. W. Alsheimer, Deland. Noted Feb. 18.

Fla., Miami — SCHOOL and HOME — Jesu School Roman Catholic Congregation, 2 story each, brick, steel and concrete school and sisters home, to Andrews-Fay Constr. Co., 1141 East Blvd., Cleveland, O. Archts. est. $500,000.

O., Cleveland — CHURCH and SUNDAY SCHOOL — Grace Lutheran Church, H. W. Bartels, pastor, 1879 East 66th St., 2 story, brick, steel and concrete, Cedar Rd., to Engstrom & Co., 1117 Chapline St., Wheeling W. Va. Archts. est. $200,000.

O., East Cleveland (br. Cleveland)—SCHOOL—Bd. Educ., C. A. Tilden, dir., Shaw and Euclid Aves., Cleveland, front portion 2 story and basement, brick, steel

Buildings—Educational, Religious (Cont.)

and concrete addition, to J. H. Moore, 18112 Landseer Rd., $90,246. Noted Apr. 1.

O., Lakewood (Cleveland P. O.) — SCHOOL — Bd. Educ., G. W. Crill, clk., 1456 Warren Rd., Cleveland, 2 story and basement, brick, steel and concrete, Lake Ave., to M. B. Parker Constr. Co., 1836 Euclid Ave., Cleveland, $143,772. Noted Mar. 25.

O., Ravenna — CHURCH — W. Jansen, archt., 1227 Prospect Ave., Cleveland, 1 story and basement, 50 x 118 ft., brick, steel and concrete church, here, to P. L. Frank Constr. Co., Ravenna, for Immaculate Conception Church, J. T. Daley, pastor. Archts. est. $150,000. Noted Feb. 11.

Ind., Gary — SCHOOLS — Bd. School Trustees, W. Wirt, supt., general contract 3 brick, steel and rein.-con. schools, to Danielson Constr. Co., Laporte. Archts. est. $405,000. Noted Jan. 14.

Ia., Ottumwa—CHURCH—First Presbyterian Church, 3 story 60 x 100 ft. Sunday school section and 1 story, 45 x 110 ft. church section, to M. Mildenstein, Cedar Rapids, $126,336.

Mich., Kingsford Heights (mail Iron Mountain)—SCHOOL—Bd. Educ. Breitung Twp., J. Roth, secy., general contract 2 story and basement, brick and tile, to G. A. Gustafson Co., Iron Mountain, $71,807. Noted Jan. 14.

Minn., Columbia Heights (Minneapolis P. O.)—SCHOOL—Bd. Educ., G. R. Warren, clk., 4144 Northeast 5th St., Minneapolis, general contract 3 story and basement, rein.-con., brick and stone, here, to Bracker Constr. Co., 752 Builders Exch. Bldg., Minneapolis. Archts. est. about $275,000. Noted Mar. 11.

Neb., Omaha — SCHOOL — Bd. Educ., M. E. Bird, secy., 2 story and basement school, 45th and Hamilton Sts., general contract, to Borchman & Sons, 4205 Lake St., $130,250; heating, plumbing and ventilating, to B. Grunwald, 1110 Farnam St., $31,518. Noted Apr. 8.

S. D., Brookings — LIBRARY — Bd. Regents, H. H. Gamble, secy., Pierre, general contract 3 story and basement, rein.-con., brick and stone at State Agricultural College, here, to Brickell Constr. Co., Watertown, $201,400. Noted Feb. 11.

Mo., St. Louis—CONVENT—Sts. Peter and Paul Parish, c/o J. F. Stevens, pastor, 1917 South 7th St., 4 story and basement, 32 x 117 ft., brick and concrete, Geyer Ave., to Mississippi Valley Constr. Co., 802 Chestnut St.

Tex., Amarillo — SCHOOL — Bd. Educ., c/o G. M. Wadill, secy., general contract 3 story, 130 x 190 ft., brick, stone and rein.-con. school, to F. Bone Constr. Co., 709 Amarillo Bldg., $114,910.

Tex., Ft. Worth—HIGH SCHOOL—Bd. Educ., c/o C. M. Moore, supt., 3 story and basement, 225 x 301 ft., rein.-con., brick and steel addition to Senior High School, Cannon University, Terrell and Henderson Sts., to H. B. Friedman, 1st Natl. Bank Bldg., $456,900.

Okla., Norman — HIGH SCHOOL — Bd. Educ., 2 story and basement, 150 x 260 ft., brick, plain foundation, Boyd St., to Bailey & Burns, Norman, $139,200. Noted Mar. 11.

Calif., Los Angeles — SCHOOL — Bd. Educ., general contract Thomas Starr King Junior High School, 3 story, 62 x 243 ft. main building, and 64 x 138 ft. schedule building, etc., to J. F. Kobler, 932 South Rimpau Blvd., $256,958. Noted Sept. 17.

Calif., Petaluma — CHURCH — St. Vincents Catholic Church, steel and rein.-con. church, to Leibert & Trobock, 185 Stevenson St., San Francisco, $160,000. Noted Mar. 25.

Calif., San Diego—NURSES HOME—Mercy Hospital, 4 story and basement, 90 x 150 ft. nurses home, to Hennessy Bros. Co., 208 West 8th St., Los Angeles, $150,000. Noted Apr. 8.

Calif., Santa Barbara—SCHOOL—Our Lady of Sorrows Catholic Church, 2 story and basement, 135 x 145 ft., rein.-con., Anacapa St., to Barrett & Hilp, 918 Harrison St., San Francisco, $150,000.

Ont., Toronto—CHURCH—Holy Rosary Church, St. Clair Ave., general contract 1 and 2 story and basement, rein.-con., brick and steel, plain foundation, St. Clair and Kendall Aves., to H. N. Dancy & Sons, Ltd., 22 College St. Archts. est. $165,000. Noted Aug. 13.

Federal Government Work

Proposed Work

Va., Yorktown—Fuel Depot—Spec. 5116—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans naval fuel depot, foam fire protection, here.

Ill., Great Lakes (mail Waukegan) — Apartment—Spec. 5158—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans apartment house, here.

Minn., St. Paul—Boats and Barges—Upper Mississippi River Barge Line Co., c/o St. Paul Chamber of Commerce, soon takes bids three 400 hp. power boats and fifteen 400-500 ton capacity steel barges, for Inland Water Corp. $600,000.

Bids Desired

N. Y., St. George—Generators—Apr. 26, by Supt. Lighthouses, six 5 kw. 110 volt d.c. generators driven by kerosene engine, both on common base.

N. Y., St. George—Mooring Chain—May 3, by Supt. Lighthouses, 10 pieces 2 in. and 1 piece 1⅛ in. cast steel mooring chain, approximate total 56,000 lb.; also approximately 13,400 lb. extra cast steel shackles and swivels for chain.

D. C., Wash.—Generators—May 18, by U. S. Engineers Office, 1068 Navy Dept. Bldg., 3 generators, automatic switching and electrical equipment; adv. E. N.-R. Apr. 22.

Ga., Douglas—Subdrainage—May 6, by Treas. Dept. at office Supervising Archt., Wash., D. C., subdrainage at U. S. Post Office, here; adv. E. N.-R. Apr. 22.

O., Hamilton—Remodeling—May 10, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling, driveway, etc. at U. S. Post Office, here. J. A. Wetmore, acting supervising archt.; adv. E. N.-R. Apr. 22.

Wis., Milwaukee—Concrete—Apr. 29, by C. Hubbard, supt. Lighthouses, Federal Bldg., 960 cu.yd. concrete from floating plant into forms built by U. S., at north breakwater, here.

Bids Received

N. Y., Syracuse—Mezzanine, etc.—Treas. Dept. at office Supervising Archt., Wash., D. C., mezzanine floor etc., for U. S. Post Office, here, from W. L. Morrison Constr. Co., Natl. Metal Bank Bldg., Wash., D. C., $10,300. Noted Apr. 1.

Pa., Chester—Remodeling—Treas. Dept. at office Supervising Archt., Wash., D. C., Apr. 3, remodeling U. S. Post Office, here, from W. MacDonald Constr. Co., Syndicate Trust Bldg., St. Louis, Mo., $6,900. Noted Mar. 25.

Del., Wilmington—Pump—U. S. Engineer Office, pump, from Ellicott Machine Corp., Bush and Severn Sts., Baltimore, Md., $3,650.

Ala., Florence—Wire, etc.—U. S. Engineers Office, copper wire and cable for navigation lock, from Safety Cable Co., New York City, N. Y., $4,599.

Ala., Mobile—Quarantine Station—Treas. Dept., at office Supervising Archt., Wash., D. C., Apr. 6, general contract quarantine station and double quarters, here, from A. S. Samford, 24 Galena Ave., Montgomery, $153,000 and $1,700 respectively; driveways, roads, etc., from A. Blair, 11 South Lawrence St., Montgomery, $4,600; mechanical equipment, from W. Wilbey, Selma, $44,444. Noted Mar. 25.

Wis., Fort Atkinson—Remodeling—Apr. 26, by Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling and enlarging mailing vestibule, etc. at U. S. Post Office, here.

Ark., Camden — Post Office — Treas. Dept. at office Supervising Archt., Wash., D. C., remodeling screen at U. S. Post Office, here, from W. MacDonald Constr. Co., Syndicate Trust Bldg., St. Louis, Mo., $2,025.

Calif., San Francisco—Remodeling—May 7, by Treas. Dept., at office Supervising Archt., Wash., D. C. remodeling kitchen, mess hall and laundry at U. S. Marine Hospital, here. J. A. Wetmore, acting supervising archt.

Calif., Santa Barbara—Extension—Treas. Dept. at office Supervising Archt., Wash., D. C., 1 story extension to U. S. Post Office, here, from Stiles Constr. Co., Pasadena, $18,457. Noted Apr. 1.

Contracts Awarded

Pa., Phila. — Fence and Gates — Spec. 5204—Bureau Yards & Docks, Navy Dept., Wash., D. C., fence and gates at Navy Yard, here, to Cycline Fence Co., 800 Frelinghuysen Ave., Newark, N. J., $23,418 (75 days).

D. C., Wash.—Elevator—U. S. Engineers Office, Navy Bldg., installing freight elevator for water supply project of Dist. of Columbia, to Westbrook Elevator Mfg. Co., Danville, Va. $5,700. Noted Mar. 11.

Ala., Florence — Roadway — U. S. Engineer Office, roadway at Dam 2 (Wilson Dam) Tennessee River, to Lawrence Constr. Co., Jackson, Miss., $45,136. Noted Mar. 4.

Ky., Louisville—Cement—U. S. Engineers Office, P. O. Box 72, approximately [illegible] bbl. Portland cement Lots 1 to [illegible] to Kosmos Portland Cement Co., M. E. Taylor Bldg., $174,440. Noted Feb. 11.

O., Lorain—Vestibule—Treas. Dept. at office Supervising Archt., Wash., D. C., mail vestibule, etc., here, to W. A. Steam, 950 Elyria Rd., $3,960. Noted Apr. 8.

Iowa—Levee—Secretary Mississippi River Comn., 1311 International Life Bldg., St. Louis, Mo., about 180,000 cu.yd. earthwork by hydraulic method in Iowa River-Flint Creek Levee Dist, here, to La Crosse Dredging Co., 405 Plymouth Bldg., Minneapolis, Minn., $33,750. Noted Apr. 15.

Ore., Astoria — Quarters — Spec. 5170 — Bureau Yards & Docks, Navy Dept., Wash., D. C., double quarters at Naval Radio Station, here, to J. G. Wethers, 409 Lyon Bldg., Seattle, Wash., $8,449 (150 days). Noted Apr. 1.

Alaska — U. S. Engineers Office, Burke Bldg., Seattle, Wash., 20,000 ft. corrugated iron pipe for culverting roads, here, to Howard-Cooper Corp., 1041 6th St., Seattle, Wash., $25,111.

Unclassified

Proposed Work

Playground—Charlestown (sta. Boston), **Mass.**—City of Boston, Dept. Pub. Wks., plans improving Sullivan Sq. Playground, Dewey Beach, here. $25,000. J. H. Sullivan, comr.

Grade Crossing Elimination,—Windsor Locks, Conn. — New York, New Haven & Hartford R.R., E. Gagel, ch. engr., New Haven, State Hy. Comn., Hartford, and Springfield St. Ry., plan elimination of Yellow Tavern grade crossing. $140,000. J. A. Macdonald, Hartford, highway comr.

Colonnade — New Haven, Conn. — Yale University, having plans prepared by J. W. Cross, 385 Madison Ave., New York City, colonnade, Yale Bowl, on Derby Ave., as memorial to late Walter Camp. $350,000.

Grade Crossing Elimination—New York —Plans 1 grade crossing elimination on Boston & Albany R.R., $372,000; 2 on Boston & Maine R.R. $181,000; 8 on Delaware, Lackawanna & Western R.R., $1,427,000; 6 on Erie R.R., $3,845,000; 5 on Buffalo, Rochester & Pittsburgh R.R., $500,000; 3 on Central New England R.R., $295,000; 10 on Delaware & Hudson R.R., $2,516,000; 1 on Lehigh & Hudson River R.R., $110,000; 20 on Lehigh Valley R.R., $3,950,000; 10 on Long Island R.R., $2,858,000; 25 on New York Central, $4,738,000; 2 on New York, Chicago & St. Louis R.R., $171,000; 8 on New York, Ontario & Western R.R., $1,915,000; 6 on Pennsylvania R.R., $1,071,000; 3 on Rutland R.R., $300,000; 3 on Ulster & Delaware R.R., $325,000; 1 on Arcade & Attica R.R., $108,000; 1 on Delaware & Northern R.R., $75,000; 1 on Fonda, Johnstown & Gloversville R.R., $123,000; 1 on Louvill & Beaver River R.R., $126,000; 1 on Middletown & Unionville R.R., $106,000; 1 on Norwood & St. Lawrence R.R., $63,000; 1 on Pittsburgh, Shawmut & Northern R.R., $91,000, 1 on Genesee & Wyoming R.R., $75,000; and 1 on United States & Canada R.R., $64,000. Cost to be borne by Railroads, Municipality and State Hy. Dept.

Swimming Pool — Newark, N. J. — See "Buildings—Commercial."

Suburban Development—Raleigh, N. C.—J. H. Slaughter & Associates, plan developing 700 acres known as Carolina Gables into residential district, incl. grading, paving, sewers, swimming pool, etc.

Gas Mains—Clearwater, Fla.—Election Apr. 27, $75,000 bonds, extending gas mains in various streets.

Island Park—Clearwater, Fla.—Election Apr. 27, $50,000 bonds, constructing Island Park.

Ornamental Lighting System—Akron, O. —See "Streets and Roads."

Gravel Plant—Columbus, O.—Island Sand & Gravel Co., 315 North 4th St., had plans prepared gravel plant, 5,000 tons daily capacity.

Subway Entrance—Detroit, Mich.—See "Buildings—Commercial."

Toll Cable Line — Illinois — Illinois Bell Telephone Co., 213-230 West Washington St., Chicago, G. C. Treadway, dist. mgr., 320 Fulton St., plans 175 mi. toll cable line from Peoria to Chicago, incl. repeater stations, etc., at Ottawa, Joliet, and Chicago. $2,000,000.

Unclassified (Continued)

Street Lighting System—Chicago, Ill.—Voted $2,500,000 bonds, street lighting system.

Swimming Pool — Chicago, Ill. — See "Buildings—Commercial."

Subway — East St. Louis, Ill. — City Council and Terminal R.R. Assn. of St. Louis, Mo., H. J. Pfeifer, ch. engr., plans concrete subway to carry State St. between 18th and 20th Sts. under Terminal R.R. tracks.

Generating Units—Highland, Ill.—W. A. Fuller Co., engrs. 1917 Railway Exch. Bldg., St. Louis, Mo., takes bids this summer 1 or 2 new generating units, probably 500 kw. and 250 kw. with auxiliary wiring, etc. for city light plant, here. $40,000.

Retaining Wall—Rock Island, Ill.—Plans 720 ft. concrete retaining wall, 10 ft. high. $51,000.

Electric Distribution System—Springfield, Ill.—City plans addition and extension to electric distribution system. $50,000. W. J. Spaulding, City Hall, engr.

Lighting System, etc. — Canton, Mo. — Election May 4, $15,000 bonds, constructing White Way and $10,000 bonds, curbing, guttering, etc. various streets. W. B. Rollins & Co., 521 Ry. Exch. Bldg., Kansas City, engrs.

Subway—Kansas City, Mo.—Kansas City Terminal R.R. Co., Kansas City Terminal Bldg., J. V. Hanna, ch. engr., plans rein.-con. or steel subway, Van Blunt Blvd. between 9th and 12th Sts. $300,000.

Golf Course, etc.—St. Louis, Mo.—Midland Valley Country Club, c/o C. M. Talbert, chn. Building & Grounds, Pierce Bldg., takes bids in early summer reconstructing golf course, underground drainage, playground, constructing 1 story and mezzanine, 50 x 170 ft. locker building, also remodeling, etc. present club house. $200,000. Helfensteller, Hirsch & Watson, Chemical Bldg., engrs.

Stadium—Austin, Tex.—Texas Memorial Stadium Assn., Inc., having plans prepared rein.-con. addition to Texas Memorial Stadium. $125,000. A. T. Granger, designing engr.

Turbo-Generator, etc.—San Angelo, Tex.—West Texas Utilities Co., Abilene, making plans 6,250 kva. capacity steam turbo-generator and battery of 3 steam boilers, here. $800,000. Private plans.

Lighting System—Oklahoma—Town of Douglass voted $27,000 bonds, new electric light system in Douglass, and transmission line to connection with Oklahoma Gas & Electric Co. line, near Covington. H. G. Olmstead, Oklahoma Bldg., Oklahoma City, engr.

Transmission Line — Oklahoma — Pub. Serv. Co., Choteau, plans 33,000 volt transmission line from Pryor to Choteau. $60,-000. Private plans.

Grain Elevator—Enid, Okla.—Enid Milling Co. purchased site and plans rein.-con. elevator, 1,000,000 bu. capacity. $250,000. Engineer and architect not selected.

Power Developments—Quebec, Que.—See "Buildings—Industrial."

Coal Dock—Sault Ste. Marie, Ont.—Algoma Steel Corp., 503 Queen St. E., plans improving wood and concrete coal dock. $30,000. Private plans.

Sand and Gravel Plant, etc.—North Vancouver, B. C.—Deeks Gravel & Rock Co., 744 Hastings St. W., Vancouver, plans modern sand and gravel plant and bunkers at mouth Capelano River. $100,000. J. C. Buckbee, 744 Hastings St., engr.

Bids Desired

Bowling Alley — Boston, Mass. — See "Buildings—Commercial."

Platform Extensions—New York, N. Y.—Apr. 30, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., extending Essex St., Bowery and Chambers St. stations of Broadway-Fourth Ave. Rapid Transit R.R., Group 2.

Camp—Tullahoma, Tenn.—Apr. 29, by W. C. Boyd, State Adjutant General, State Capitol Bldg., Nashville, for guard camp, incl. grading, waterworks, sewers, camp buildings, target ranges, etc. $68,000.

Coal Loading Station—Peoria, Ill.—See "Contracts Awarded."

Heating, Plumbing and Ventilating — Peoria, Ill.—See "Buildings—Educational, Religious."

Cable Lines — Cedar Rapids, Ia. — See "Contracts Awarded."

Culverts—Toledo, Ia.—See "Bridges."

Culverts—Vinton, Ia.—"Bridges."

Culverts—Marshall, Minn.—See "Streets and Roads."

Culverts—South Dakota—See "Streets and Roads."

Transmission Line—Arkansas—See 'Contracts Awarded."

Bids Received

Heating and Ventilating — Providence, R. I. — See "Buildings — Educational, Religious."

Contracts Awarded

Signal Tower — New York — Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., interlocking signal tower at New Utrecht Ave. and 62nd St., Brooklyn, also sewer and water connections in various locations of Rapid Transit R.R. in boros Brooklyn, Manhattan, Bronx and Queens, to Ascher Eng. & Constr. Co., 1757 Bway., New York City, $18,295. Noted Apr. 8.

Special Work—New York, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., special work (rails, frogs and switches) Order 32, for portion Queens Subway, to Ramapo Ajax Corp., 30 Church St., $3,658. Noted Apr. 15.

Seawall—St. Petersburg, Fla.—Constructing seawall along Bay front, to Raymond Concrete Co., $295,000.

Lighting System—Booneville, Miss.—See "Streets and Roads."

Stadium — Evanston, Ill. — Northwestern University, 619 Clark St., double deck, 600 x 630 ft., 49,000 seating capacity, concrete, steel and stone, Central St., to J. B. French Co., 30 North Michigan Ave., Chicago. Archts. est. $1,000,000. Noted Mar. 18.

Coal Loading Station — Peoria, Ill. — Peoria & Pekin Union Ry. Co., Peoria, E. E. Rogers, ch. engr., will build coal loading station, concrete and steel, 30 x 30 ft. tipple, 85 ft. high, foot of Apple St., by day labor. $50,000. V. V. Boatner, 37 Union Depot, pres. Private plans.

Culverts—Iowa—See "Bridges."

Amusement Park—Cedar Rapids, Ia.—Cedar Rapids Amusement Co., c/o H. R. Green, Bever Bldg., Frontier Park amusement resort, incl. 20 brick and tile buildings, 80 x 150 ft. swimming pool, band stand, 0.5 mi. dirt race track, cinder walks, etc., to T. Stark & Co., 118 South 11th St. W. Engrs. est. $100,000.

Cable Lines—Cedar Rapids, Ia.—Northwestern Bell Telephone Co., H. M. Morrison, mgr., will build several miles aerial and underground cable extensions, etc., by day labor. Engrs. est. $125,000.

Culverts—Logan, Ia.—Harrison Co., 48 box culverts and extensions and 5 circular culverts, on Federal Aid Project 138, to M. B. and S. Co., Boone, $76,000.

Culverts—Hoxie, Kan.—See "Streets and Roads."

Culverts—Ottawa, Kan.—See "Streets and Roads."

Culverts—Nebraska—See "Streets and Roads."

Amusement Park—St. Louis, Mo.—Installing sand beach, wading pool, enlarging boating lake, etc., at Crystal Springs Lake Park, on Clayton Rd., to W. H. Smith-Nelson Cunliff Co., 110 North 7th St. Engrs. est. $25,000.

Overhead Crossing — Arkansas — See "Streets and Roads."

Transmission Line — Arkansas — Central States Power & Light Corp., Kahl Bldg., Davenport, Ia., will build 33,000 volt transmission line from Harrisburg to Weiner, here, by own forces, for Arkansas Pub. Serv. Co. (subsidiary). Engrs. est. $100,-000. P. Miller, Harrisburg, engr.

Tunnel — Chelan Falls, Wash. — See "Buildings—Industrial."

Materials

Bids Desired

Wood Blocks—Boston, Mass.—Apr. 27, by Supply Dept., F. L. Brier, supt., 50,000 wood blocks to Paving Serv.

Portland Cement — Brookline (br. Boston), **Mass.** — Apr. 26, by Bd. Selectmen, Town Hall, Portland cement for town, specifications as needed. Address Town Engineer.

Mixed Concrete—Cleveland, O.—May 1, by Comrs. Cuyahoga Co., mixed concrete. L. Simon, co. clk.

Wire, etc.—Cleveland, O.—Apr. 23, by City, 5,000 lb. No. 8 B & S Gauge solid copper wire, 20,000 lb. 1/o and 20,000 lb. 4/o B & S Gauge stranded wire, four hundred 4 in. and fifty 6 in. fire hydrants.

Sand, etc.—Indianapolis, Ind.—Apr. 29, by Bd. School Comrs., 150 North Meridian St., 6,000 ft. 6 in. common yellow pine, drop siding, delivered to 1229 East 16th St.; 1,100 rock face concrete blocks, 100 rock face corner concrete blocks, 1,200 plain backing concrete blocks, standard size, and 12 boxes, 300 lbs. each 96 x 96 in. Follensbys long turn roofing tin plates, also 25 cu.yd. clean washed sharp sand, and 50 cu.yd. washed gravel, delivered to 1129 East 16th St.; 1 carload Portland cement, at Lewis and 15th Sts. U. M. Fraser, bus. dir.

Road Oil—Green Bay, Wis.—Apr. 28, by W. L. Kerr, city clk., 10,000 gal. 50% to 60%, and 20,000 gal. 60% to 70% asphaltic content road oil.

Sand, Crushed Stone, etc. — Milwaukee, Wis. — Apr. 26, by Central Bd. Purchases, sand, gravel and crushed stone for season. J. W. Nicholson, ch. buyer.

Chlorine—South Milwaukee, Wis.—Apr. 27, by Bd. Pub. Wks., R. J. Schaner, secy., 1 carload liquid chlorine.

Bids Received

Road Oil, etc. — Boston, Mass. — Supply Dept., Apr. 7, road asphalt and asphaltic cement, from Standard Oil Co. of New York, Park Sq. Bldg., $25.18 and $23.97 per ton respectively; asphaltic road oil from M. Moulton Jr., 6 Beacon St., $0.0669 per gal., coal tar catching, from Trimont Oil Co., 131 State St., $31.09 per ton; arsenate of lead, from Dow Chemical Co., Midland, Mich., $275 per ton. Noted Apr. 1.

Asphaltic Cement — Milwaukee, Wis. — Central Bd. Purchases, J. W. Nicholson, ch. buyer, Apr. 8, from Camden Petroleum Co., 232 South Clark St., Chicago, Ill., Spec. 1, 100 tons asphaltic cement at $24.95 per ton; Spec. 2, 175 tons $24.95 Spec. 3, 125 tons $24.10; also Specs. 3 and 5, 125 tons $24.95. Noted Apr. 1.

Contracts Awarded

Road Material — Flemington, N. J. — Hunterdon Co., 120,000 gal. "U.B." road material, to Dorsch-King Co., Montclair, N. J., at $0.121 per gal.

Steel Pipe — Chicago, Ill. — Dept. Pub. Wks., City Hall, 4,800 ft. 18 in. 16 gauge steel pipe, 20 ft. lengths, to Chicago Metal Mfg. Co., 3724 South Rockwell St., at $25.50 per length. Noted Apr. 8.

Asphalt and Filler — St. Paul, Minn. — A. E. Eggert, city purch. agt., 350 tons asphalt filler, to Standard Oil Co., 3rd and Commercial Sts., $21.50 and $26 per ton respectively.

Cement and Sewer Brick—St. Paul, Minn.—A. E. Eggert, city purch. agt., 1,830 bbl. Portland cement, to Speakes Co., Griggs and Fuller Sts., and four other St. Paul firms at $2.45 per bbl. on cars and $2.60 delivered; also two thousand 24 in. square and one thousand 18 in. square cement sidewalk tile, to Standard Stone Co., 88 Garfield St. $0.305 and $0.175 each respectively; and 1,500 sq.yd sandstone blocks, to Sandstone Quarries Co., 510 Plymouth Bldg., Minneapolis, $2.74 per sq.yd. Noted Feb. 4.

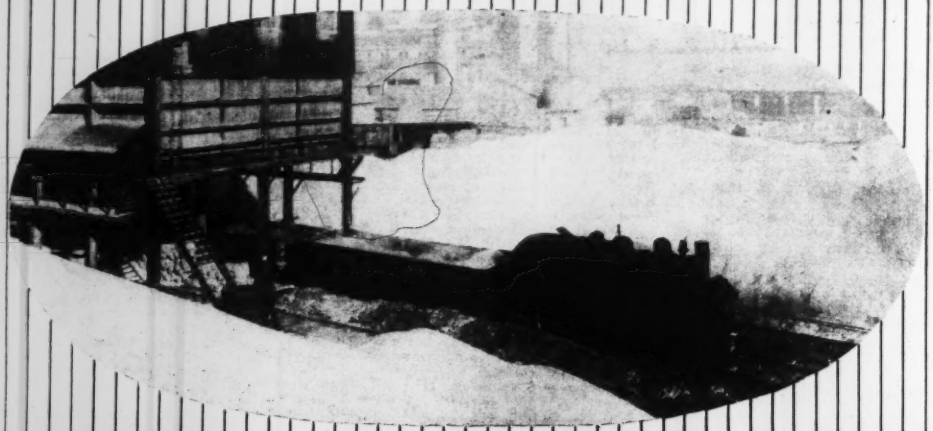
Road Oil, etc. — Clayton, Mo. — R. Jablonsky, engr., St. Louis Co., Court House, approximately 900,000 gal. 60% asphalt road oil, to Goldsmith-Mueller Co., 1225 Syndicate Trust Bldg., St. Louis, at $4.94 per gal.

Refined Paving Asphalt, etc. — Kingston, Ont. — Asphalt, refined paving to Imperial Oil Co., Imperial Oil Bldg., Toronto, $27 per ton (in packages); limestone dust, to Kirkfield Crushed Stone Co., Confederation Life Bldg., Toronto, $7.24 per ton; Portland cement, to W. B. Dalton & Sons, Kingston, $2.75 bbl.; sand, to Kingston Sand & Gravel Co., Kingston, $1.45 per cu.yd.; crushed stone, to J. M. Roddy, Kingston, $1.50 per cu.yd.; c.i. castings, manhole covers, grates, etc., to T. G. Bishop, Kingston, $4.80 per cwt.

Asphalt, etc.—Niagara Falls, Ont.—Asphalt for paving, to Imperial Oil Co., Imperial Oil Bldg., Toronto at $22.50 per ton; asphalt sand, to H. Willox, Niagara Falls, $1.50 per ton; stone dust, to J. E. Russel Co., Ltd., Reford Bldg., Toronto, $7.245 per ton less $0.20 each for sacks; and gravel, to Standard Gravel Co., Niagara Falls, $1.59 per cu.yd.

Paving Asphalt, etc. — Ottawa, Ont. — Paving asphalt, to Imperial Oil Co., 310 Percy St., $27.45 per ton in packages and $23 per ton in tank cars; asphalt filler, to Wright & Co., Inc., Catharine St., and T. S. Kirby Co., 213 Sussex St., $5.50 per ton; Portland cement, to Ottawa Fireproof Supply Co., 539 Sussex St., $0.62 per 100 lb.; castings, to T. Lawson & Sons, 376 Wellington St., iron and pipe castings, $3.90 and $6.85 per cwt. respectively; pig lead, to Betcherman Iron & Metal Co., MacKay St., $9.45 per cwt.; lead pipe, to Crane Ltd., 142 Sparks St., $12.50 per cwt.; gate valves, to Grinnel Co. of Canada, 370 Beaumont St., Montreal, Que., two 12 in. $63.77, to Builders Sales Ltd., 529 Sussex St., one 10 in. and two 8 in. $50 and $29 each respectively, and to Drummond McCall & Co., 160 Wellington St., six 3 in. and six 5 in. $8.75 and $17 respectively. Noted Feb. 18.

See proposal advertising on page 117, Advertising Section



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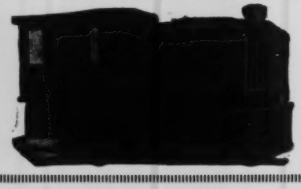

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